



Naval Construction Force/Seabee 1 & C

Only one answer sheet is included in the NRTC. Reproduce the required number of sheets you need or get answer sheets from your ESO or designated officer.

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Specific Instructions and Errata for
Nonresident Training Course

NAVAL CONSTRUCTION FORCE/SEABEE 1 & C, NAVEDTRA 82543

1. This errata supersedes all previous erratas. No attempt has been made to issue corrections for errors in typing, punctuation, etc., that do not affect your ability to answer the question or questions.
2. To receive credit for deleted questions, show this errata to your local course administrator (ESO/scorer). The local course administrator is directed to correct the course and the answer key by indicating the question deleted.
3. Assignment Booklet, NAVEDTRA 82543.

Delete the following questions, and leave the corresponding spaces blank on the answer sheets:

Questions

1-37

2-30

7-8

7-28

7-45

8-30

NAVAL CONSTRUCTION FORCE/SEABEE 1 & C

NAVEDTRA 82543

Prepared by the Naval Education and Training Program Management
Support Activity, Pensacola, Florida

Congratulations! By enrolling in this course, you have demonstrated a desire to improve yourself and the Navy. Remember, however, this self-study course is only one part of the total Navy training program. Practical experience, schools, selected reading, and your desire to succeed are also necessary to successfully round out a fully meaningful training program. You have taken an important step in self-improvement. Keep up the good work.

HOW TO COMPLETE THIS COURSE SUCCESSFULLY

ERRATA: If an errata comes with this course, make all indicated changes or corrections before you start any assignment. Do not change or correct the Training Manual (TRAMAN) or assignments in any other way.

TEXTBOOK ASSIGNMENTS: The TRAMAN for this course is *Naval Construction Force/Seabee 1 & C*, NAVEDTRA 12543. The TRAMAN pages that you are to study are listed at the beginning of each assignment. Study these pages carefully before attempting to answer the questions in the course. Pay close attention to tables and illustrations because they contain information that will help you understand the text. Read the learning objectives provided at the beginning of each chapter or topic in the text and/or preceding each set of questions in the course. Learning objectives state what you should be able to do after studying the material. Answering the questions correctly helps you accomplish the objectives.

BLACK DOT INFORMATION: Black dots (●) may be used in the text and correspondence course to emphasize important or supplemental information and to highlight instructions for answering certain questions. Read these black dot entries carefully; they will help you answer the questions and understand the material.

SELECTING YOUR ANSWERS: After studying the TRAMAN, you should be ready to answer the questions in the assignment. Read each question carefully, then select the BEST answer. Be sure to select your answer from the subject matter in the TRAMAN. You may refer freely to the TRAMAN and seek advice and information from others on problems that may arise in the course. However, the answers must be the result of your own work and decisions. You are prohibited from referring to or copying the answers of others and from giving answers to anyone else taking the same course. Failure to follow these rules can result in suspension from the course and disciplinary action.

SUBMITTING COMPLETED ANSWER SHEETS: Complete all assignments as quickly as possible to derive maximum benefit from the course. As a minimum, you must submit at least one assignment per month. This is a requirement established by the Chief of Naval Education and Training. Failure to meet this requirement could result in disenrollment from the course.

TYPES OF ANSWER SHEETS: If you are a U.S. Navy enlisted member on active duty or a drilling U.S. Naval Reserve enlisted member, you should use the answer sheet attached at the end of this course and follow the instructions in section A below. If you are an enlisted U.S. Naval Reserve member who is not attached to

a drilling unit or if you are an officer, a civilian, or a member of the U.S. Army, Air Force, Marine Corps, or Coast Guard, you should use the Automatic Data Processing (ADP) answer sheets included in the course package and follow the instructions in section B.

A. Manually Scored Answer Sheets

If you are a U.S. Navy enlisted member on active duty or attached to a U.S. Naval Reserve drilling unit, your course will be administered by your local command. You must use the answer sheet designed for manual scoring, NETPMSA form 1430/5, Stock Ordering Number 0502-LP-216-0100. You may get a supply of the forms from your Educational Services Officer (ESO), or you may reproduce the one in the back of this course booklet. DO NOT USE THIS FORM FOR COURSES ADMINISTERED BY NETPMSA.

Recording Information on the Manually Scored Answer Sheets: As you complete each assignment, submit the completed answer sheet to your ESO for grading. You may submit more than one answer sheet at a time. Remember, you must submit at least one assignment each month.

Grading: Your ESO will grade each answer sheet and notify you of any incorrect answers. The passing score for each assignment is 3.2. If you receive less than 3.2 on any assignment, the ESO will list the questions you answered incorrectly and give you an answer sheet marked "RESUBMIT." You must redo the assignment and complete the RESUBMIT answer sheet. The maximum score you can receive for a resubmitted assignment is 3.2.

Course Completion: After you have submitted all the answer sheets and have earned at least 3.2 on each assignment, your command should give you credit for this course by making the appropriate entry in your service record.

Student Questions: If you

have questions concerning the administration of this course, consult your ESO.

B. ADP Answer Sheets

If you are an enlisted U.S. Naval Reserve member who is not attached to a drilling reserve unit or if you are an officer, a civilian, or a member of the U.S. Army, Air Force, Marine Corps, or Coast Guard, use the ADP answer sheets provided in your course package. You should use one blank original ADP answer sheet for each assignment. Use only the original ADP answer sheet provided in your course package; NETPMSA will not accept reproductions.

Recording Information on the ADP Answer Sheets: Follow the "MARKING INSTRUCTIONS" on each answer sheet. Be sure that blocks 1, 2, and 3 are filled in correctly. This information is necessary for your course to be properly processed and for you to receive credit for your work.

As you work the course, be sure to mark your answers in the course booklet because your answer sheets will not be returned to you. When you have completed an assignment, transfer your answer from the course booklet to the answer sheet.

Mailing the Completed ADP Answer Sheets: Upon completing an assignment, mail the completed answer sheet to:

COMMANDING OFFICER
NETPMSA CODE 036
6490 SAUFLEY FIELD RD
PENSACOLA FL 32559-5000

Use envelopes to mail your answer sheets. You must provide your own envelopes or request them from your ESO. You may enclose more than one answer sheet in a single envelope. Remember, regardless of how many answer sheets you submit at a time, NETPMSA should receive at least one assignment a month.

NOTE: DO NOT USE THE COURSE COMMENTS PAGE AS AN ENVELOPE FOR RETURNING ANSWER SHEETS OR OTHER COURSE MATERIALS.

Grading: NETPMSA will grade the answer sheets and notify you by letter concerning your grade for each assignment, your incorrect answers, and your final grade. The passing score for each assignment is 3.2. If you receive less than 3.2 on any assignment, you must rework the assignment. NETPMSA will enclose a new ADP answer sheet in the letter notifying you of the questions you answered incorrectly. You will be required to redo the assignment and resubmit the new answer sheet. The maximum score you can receive for a resubmitted assignment is 3.2.

Course Completion: When you complete the last assignment, fill out the "Course Completion" form in the back of the course and enclose it with your last answer sheet. NETPMSA will issue you a letter certifying that you satisfactorily completed the course. You should make sure that credit for the course is recorded in your service record. YOU MAY RETAIN THE TEXT.

NOTE: YOUR OFFICIAL COURSE COMPLETION DATE WILL BE THE DATE YOUR LAST ASSIGNMENT IS PROCESSED THROUGH THE NETPMSA ADP SYSTEM--NOT THE DATE YOU DEPOSIT THE LAST ASSIGNMENT IN THE MAIL. This is especially important if you are taking the course for Naval Reserve retirement credit. You must mail your answer sheets at least 60 days before your anniversary date. This will provide you with enough time for delays in the mail or reworking failed assignments. DO NOT MAIL YOUR ASSIGNMENTS TO THE NAVAL RESERVE PERSONNEL COMMAND (NRPC).

Student Questions: Refer questions concerning this course to NETPMSA by mail (use the address on page ii) or by telephone: DSN 922-1366 or commercial (904) 452-1366.

NAVAL RESERVE RETIREMENT CREDIT

If you are a member of the

Naval Reserve, you will receive retirement points if you are authorized to receive them under current directives governing retirement of Naval Reserve personnel. For the purpose of Naval Reserve retirement, this edition of the course is evaluated at 12 points. These points will be credited to you upon your satisfactory completion of the entire course.

NOTE: YOUR OFFICIAL COURSE COMPLETION DATE WILL BE THE DATE YOUR LAST ASSIGNMENT IS PROCESSED THROUGH THE NETPMSA ADP SYSTEM--NOT THE DATE YOU DEPOSIT THE LAST ASSIGNMENT IN THE MAIL. Refer to the Course Completion paragraph under section B. ADP Answer Sheets.

COURSE OBJECTIVES

In completing this NRTC, you will demonstrate a knowledge of the subject matter by correctly answering questions on the following subjects: administration; project and construction planning management; advanced base planning and embarkation; battalion turnover and tool management; NCF camp maintenance; environmental pollution control; contract Quality Assurance; and facilities maintenance management.

Naval courses may include several types of questions--multiple-choice, true-false, matching, etc. The questions are not grouped by type but by subject matter. They are presented in the same general sequence as the textbook material upon which they are based. This presentation is designed to preserve continuity of thought, permitting step-by-step development of ideas. Not all courses use all of the types of questions available. The student can readily identify the type of each question, and the action required, by inspection of the samples given below.

MULTIPLE-CHOICE QUESTIONS

Each question contains several alternatives, one of which provides the best answer to the question. Select the best alternative, and blacken the appropriate box on the answer sheet.

SAMPLE

- s-1. Who was the first person appointed Secretary of Defense under the National Security Act of 1947?

1. George Marshall
2. James Forrestal
3. Chester Nimitz
4. William Halsey

Indicate in this way on the answer sheet

	1	2	3	4
	T	F		
s-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _ _ _

TRUE-FALSE QUESTIONS

Mark each statement true or false as indicated below. If any part of the statement is false the statement is to be considered false. Make the decision, and blacken the appropriate box on the answer sheet.

SAMPLE

- s-2. All naval officers are authorized to correspond officially with any systems command of the Department of the Navy without their respective commanding officer's endorsement.

1. True
2. False

Indicate in this way on the answer sheet

	1	2	3	4
	T	F		
s-2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _ _ _

MATCHING QUESTIONS

Each set of questions consists of two columns, each listing words, phrases or sentences. The task is to select the item in column B which is the best match for the item in column A that is being considered. Items in column B may be used once, more than once, or not at all. Specific instructions are given with each set of questions. Select the numbers identifying the answers and blacken the appropriate boxes on the answer sheet.

SAMPLE

In questions s-3 through s-6, match the name of the shipboard officer in column A by selecting from column B the name of the department in which the officer functions. Some responses may be used once, more than once, or not at all.

A. OFFICER

B. DEPARTMENT

Indicate in this way on the answer sheet

- | | | | |
|------|--------------------------|----|------------------------|
| s-3. | Damage Control Assistant | 1. | Operations Department |
| S4. | CIC Officer | 2. | Engineering Department |
| s-5. | Disbursing Officer | 3. | Supply Department |
| s-6. | Communications Officer | | |

	1	2	3	4
	T	F		
s-3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _ _ _
s-4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _ _ _
s-5	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> _ _ _
s-6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _ _ _

ASSIGNMENT 1

Textbook Assignment: "Administration," chapter 1, pages 1-1 through 1-17, and "Project Planning and Management," chapter 2, pages 2-1 through 2-12.

- 1-1. The purpose of the Personnel Readiness Capability Program is to provide accurate, up-to-date personnel information. This tool allows the NCF to accomplish its mission in which of the following ways?
1. By scheduling day-to-day work assignments for individual crew members
 2. By combining the information relevant to project planning
 3. By determining unit readiness through timely personnel information
 4. By scheduling project functions into a single master plan

IN ANSWERING QUESTIONS 1-2 THROUGH 1-6, REFER TO FIGURE 1-A.

CATEGORIES OF SKILLS	
A.	Individual general
B.	Individual rating
C.	Military
D.	Crew experience

Figure 1-A

- 1-2. What category of skills is related to two or more ratings and is primarily nonmanipulative?
1. A
 2. B
 3. C
 4. D
- 1-3. You can acquire what type of skills as a result of working with others on a particular project?
1. A
 2. B
 3. C
 4. D
- 1-4. What skills can you acquire as a result of training for combat?
1. A
 2. B
 3. C
 4. D

- 1-5. By working on a boiler installation with other personnel, you acquire skills in what category?

1. A
2. B
3. C
4. D

- 1-6. A technical skill specifically related to one of the construction ratings falls in what category?

1. A
2. B
3. C
4. D

- 1-7. Which of the following management tools should you use to collect crew member skill data?

1. Volume I, PRCP Skill Definitions
2. PRCP Standards and Guides
3. Matrix Numbers 1 and 2
4. Section II, Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards

- 1-8. When collecting personnel data concerning an individual's skills, you should send the information to the unit's PRCP manager in what form?

1. Memorandum
2. Computer disk
3. Punched card
4. PRCP Skill Update Record

- 1-9. What two types of interviews are conducted by a PRCP interviewer?

1. Standard and specific
2. Individual rating and skill
3. Other and individual rating
4. Specific and other

- 1-10. When preparing for an individual rating skill interview, which of the following is the most important?
1. Review the appropriate section of the Occupational Standards Manual
 2. Learn as much as you can about the skill and the tasks explained in the interviewing guides
 3. Prepare the interviewee's service record
 4. Prepare the interviewee's checkoff sheet
- 1-11. Refer to figure 1-3 in the textbook. To qualify for Skill Level I, a craftsman must demonstrate which of the following skills?
1. Select, care, and use proper hand tools for various jobs
 2. Install plumbing systems for water, steam, air, and fuel
 3. Both 1 and 2 above
 4. Designate the spacing of pipe supports for all types of piping systems
- 1-12. Depending upon the complexity and number of tasks in a skill definition, there can be a maximum of how many levels?
1. Five
 2. Six
 3. Three
 4. Four
- 1-13. Refer to figure 1-4 in the textbook. Under task element .02b, what tasks are assigned?
1. A and E only
 2. D and E only
 3. A, B, D, and E
 4. A, B, F, and G
- 1-14. Whether a person does or does not have a certain skill is decided by what individual?
1. PRCP coordinator
 2. PRCP interviewer
 3. Training officer
 4. Company commander
- 1-15. The priorities, patterns, and tempo of a battalion training program are usually established by what authority?
1. The commanding officer
 2. The Naval Training Command
 3. The Chief of Naval Operations
 4. The COMSECOND/COMTHIRDNCB staff
- 1-16. The executive officer supervises and coordinates the work, exercises, training, and education of personnel in the command. He/she does this in what capacity?
1. Training officer
 2. Operations officer
 3. Chief staff officer
 4. Chief of training
- 1-17. Training conducted in an amphibious construction battalion is exactly the same as that conducted in a mobile construction battalion.
1. True
 2. False
- 1-18. The battalion training plan and organization must not interfere with construction schedules as set forth by the deployment operation order.
1. True
 2. False
- 1-19. In home port, training programs become the primary mission. Each NMCB is expected to spend what percentage of available man-days in training while in home port?
1. 55%
 2. 65%
 3. 75%
 4. 85%
- 1-20. When selecting individuals best suited to attend a Navy C-1 advance school, you should check which of the following data?
1. Personnel advancement requirements
 2. Battalion assignments
 3. Time in battalion
 4. Service records
- 1-21. What is the purpose of on-the-job training in a Seabee organization?
1. To indoctrinate new personnel
 2. To assist supervisors in developing management skills
 3. To help individuals acquire the necessary knowledge, skills, and habits to do a specific job
 4. To instill each person with interest and enthusiasm for the work to be done

- 1-22. Before setting up an on-the-job training program, you should perform which of the following actions first?
1. Write a set of lesson plans
 2. Develop task analysis statements
 3. Determine the type of training required
 4. Determine specific training objectives
- 1-23. After an on-the-job training program has been implemented, you should maintain program follow-up in which of the following ways?
1. By keeping an individual's training record current
 2. By ensuring the project does not lag
 3. By ensuring newly developed skills are used properly
 4. Each of the above
- 1-24. When used properly, what method is most effective for training workers on the job?
1. Group
 2. Academic
 3. Self-study
 4. Coach-pupil
- 1-25. In on-the-job training, the term "group instruction" most closely relates to what other type of instruction?
1. Academic
 2. Self-study
 3. Classroom
 4. Technical
- 1-26. What type of instruction explains regulations, indoctrinates new people, and identifies the what, when, where, how, and why of a situation?
1. Formal
 2. Immediate
 3. Piecemeal
 4. Group instruction
- 1-27. Interviews between the trainee and the trainer in a developmental on-the-job training program will NOT accomplish which of the following objectives?
1. Determining training needs
 2. Assessing progress of the trainee
 3. Resolving trainee questions
 4. Evaluating performance tests
- 1-28. Taking which of the following steps may help you to plan and carry out a successful training program?
1. Using correct methods to ensure learning
 2. Measuring achievement at regular intervals
 3. Recording results
 4. Each of the above
- 1-29. Which, if any, of the following methods would be effective in evaluating the success of a training program?
1. Testing the trainee
 2. Spot checking performance at the jobsite
 3. Checking the work schedule backlog
 4. None of the above
- 1-30. The success of any project depends a great deal upon attention to detail and what other factor?
1. Experience
 2. Care taken in planning
 3. Mode of transportation
 4. Distance to jobsite
- 1-31. As the petty officer or chief in charge of a crew, you are responsible for crew member time management. When is the best time to confirm plans for the next workday?
1. At the beginning of each day
 2. At the beginning of each week
 3. At the close of each day
 4. At the close of each week
- 1-32. For you to properly plan your project you must be able to organize. What is the first step in organizing this project?
1. Plan the job sequences
 2. Plan for the equipment
 3. Schedule the material
 4. Schedule the tools
- 1-33. Since safety and production go hand in hand, the only efficient way to do any thing is the safe way. Which of the following is the best way to have a safe project?
1. Post safety slogans on all bulletin boards
 2. Read the Safety Line each week
 3. Visit with the battalion safety chief daily
 4. Teach, observe, and plan with safety in mind

- 1-34. When making work assignments, it is best to rotate the jobs among the crew. What is the main advantage of rotating work assignments?
1. It identifies the less skilled crew members
 2. It prevents specialization of work
 3. It confuses the crew
 4. It lengthens a short project
- 1-35. What is/are the advantage(s) to assigning more crews or crew members to a project that has a unique phase of the rate?
1. Enhances direct labor
 2. Employs all crews
 3. Speeds project completion
 4. Promotes teamwork, new skills, and versatility
- 1-36. The Enlisted Performance Evaluation Report is the most significant personnel management tool in the enlisted service record. It is designed primarily for what use?
1. Making advancement and assignment decisions
 2. Making reenlistment decisions
 3. Making retention decisions
 4. Making special educational decisions
- 1-37. Which of the following instructions shows you what goes in each block of an Enlisted Performance Evaluation Report?
1. BUPERSINST 1430.16
 2. OPNAVINST 5102.1
 3. OPNAVINST 6110.1
 4. NAVMILPERSCOMINST 1616.1
- 1-38. To prepare a rough evaluation report properly, you should have the individual submit what input form?
1. NAVPERS 1616/21
 2. NAVPERS 1616/24
 3. NAVPERS 18068
 4. NAVPERS 18665
- 1-39. CPA, CPM, and PERT are techniques used in the analysis of a flow of events and activities of a construction project. What is the generic title covering these construction management techniques?
1. Network analysis
 2. Planning and estimating
 3. Flow charting
 4. Project analysis
- 1-40. Construction management in the Seabees is based on the critical path method. This method has which of the following major advantages?
1. Mobility
 2. Training
 3. Versatility
 4. Inexpensive
- 1-41. When developing construction activities, they should be less than how many days in duration?
1. 5
 2. 10
 3. 15
 4. 20
- 1-42. In an NMCB, what individual has functional authority over construction projects?
1. A3
 2. B3
 3. H3
 4. S3
- 1-43. All construction work done by the battalion is according to the construction quality control program. This construction work is outlined in which of the following manuals?
1. P-908
 2. P-445
 3. P-404
 4. P-307
- 1-44. The prime contractor and subcontractors are assigned by the Operations department. The prime contractor of a project has which of the following responsibilities?
1. Safety on the project
 2. Quality of the project
 3. Timeliness of the construction effort
 4. All of the above
- 1-45. How many folders are there in a project package?
1. Seven
 2. Eight
 3. Nine
 4. Ten
- 1-46. What folder in a project package contains the project quality control plan?
1. #5
 2. #6
 3. #7
 4. #8

- 1-47. What folder in a project package contains the project specifications?
1. #6
 2. #7
 3. #8
 4. #9
- 1-48. What folder in a project package contains the level II precedence diagram?
1. #5
 2. #6
 3. #3
 4. #4
- 1-49. Project planning milestones are used to help you in the planning of your project and the development of your project package. What department assigns these milestones?
1. P & E
 2. Operations
 3. Planning
 4. Material
- 1-50. When estimating a project, the crew leader is responsible for ensuring all required resources are identified. Where do you list these resources and any action required to track them?
1. CAS sheets
 2. Master sheets
 3. Duration sheets
 4. Production sheets
- 1-51. When planning a project in the NCF, you should not exceed what number of master activities?
1. 5
 2. 10
 3. 15
 4. 20
- 1-52. Master activities can be broken into at least what number of construction activities?
1. 5
 2. 10
 3. 15
 4. 20
- 1-53. A work element checklist is a good guide for developing construction activities. It can be found in what book?
1. NAVFAC P-908
 2. NAVFAC P-404
 3. NAVFAC P-307
 4. NAVFAC P-405
- 1-54. A typical Naval Mobile Construction Battalion project contains how many construction activities?
1. Between 25 and 80
 2. Between 15 and 70
 3. Between 25 and 60
 4. Between 15 and 50
- 1-55. Construction activity numbers are usually four digits. What do the first two digits identify?
1. Construction activity
 2. Master activity
 3. Specific project
 4. Specific element
- 1-56. You need to know how to calculate man-days and duration for each construction activity. What manual is the primary reference for Seabee man-day estimates?
1. NAVFAC P-401
 2. NAVFAC P-405
 3. NAVFAC P-307
 4. NAVFAC P-305
- 1-57. According to NAVFAC P-405, regardless of the length of the workday, tasking, estimating, and reporting of each man-hour are always figured using what number of hours?
1. 6
 2. 8
 3. 10
 4. 12
- 1-58. When figuring the production efficiency factor for a project, you must assign a production factor for each element of the job. What is considered the average production factor?
1. 60
 2. 62
 3. 67
 4. 70
- 1-59. For each particular construction activity, the delay factor is only used in what calculations?
1. Man-day estimate
 2. Activity duration
 3. Man-day equivalent
 4. Project duration

1-60. Availability factors take into account that Seabees assigned as direct labor are not available 100 percent of the time. What is the availability factor for the main body?

1. 0.60
2. 0.65
3. 0.70
4. 0.75

ASSIGNMENT 2

Textbook Assignment: "Project Planning and Management," chapter 2, pages 2-12 through 2-49.

-
- | | |
|---|---|
| <p>2-1. When determining construction activity durations, lost time from the project site can be accounted for by including what factor in the equation?</p> <ol style="list-style-type: none">1. Delay2. Availability3. Production4. Efficiency <p>2-2. Once the master activities have been broken into construction activities, you will need to use a CAS sheet for each activity. Where on the CAS sheet do you put the man-day and duration calculations?</p> <ol style="list-style-type: none">1. Front page top2. Front page bottom3. Back page top4. Back page bottom <p>2-3. Of the following information, what should be put on CAS sheets?</p> <ol style="list-style-type: none">1. Man-days2. Tools3. Equipment4. All of the above <p>2-4. Which of the following is a major use of a rough level II schedule?</p> <ol style="list-style-type: none">1. To provide an overall picture of the entire deployment2. To coordinate the planning effort between companies3. To provide periods where special tools are required4. To provide material delivery dates <p>2-5. The logic network is a basic management tool. How is it used in relation to all resources that are directly related to time?</p> <ol style="list-style-type: none">1. Controls2. Monitors3. Distributes4. All of the above <p>2-6. Which of the following is a major use of the logic network during the planning stage?</p> <ol style="list-style-type: none">1. To indicate all activities that must be accomplished2. To record the drawings for each project3. To show structural changes4. To list the quantities and types of work | <p>2-7. What is the general rule for creating an activity?</p> <ol style="list-style-type: none">1. An activity is created for any function that uses indirect labor2. An activity is created for any function that does not use indirect labor3. An activity is created for any function that uses direct labor4. An activity is created for any function that does not use direct labor <p>2-8. Resources must be tied directly to the CAS sheet and network.</p> <ol style="list-style-type: none">1. True2. False <p>2-9. Why is it important to do the logic network when breaking the project down into construction activities?</p> <ol style="list-style-type: none">1. To ensure network is completed on time2. To ensure all items of work are included3. To ensure quality control4. To ensure safety on the project <p>2-10. In the logic network, what shape is used to represent activities?</p> <ol style="list-style-type: none">1. An octagonal box2. A start and finish node3. A rectangular box4. A round node <p>IN ANSWERING QUESTIONS 2-11 AND 2-12, REFER TO FIGURE 2-11 OF THE TEXTBOOK.</p> <p>2-11. Activity 1020 cannot start until what activity is complete?</p> <ol style="list-style-type: none">1. 10102. 10503. 10304. 1040 <p>2-12. Activity 1030 cannot start until what activity is complete?</p> <ol style="list-style-type: none">1. 10102. 10203. 10504. 1040 <p>IN ANSWERING QUESTIONS 2-13 THROUGH 2-15, REFER TO FIGURE 2-12 OF THE TEXTBOOK.</p> |
|---|---|

- 2-13. In the activity block, where will the activity number be inserted?
1. Upper left
 2. Lower left
 3. Upper right
 4. Lower right
- 2-14. Where in the activity block will the late finish be inserted?
1. Upper left
 2. Lower left
 3. Upper right
 4. Lower right
- 2-15. Where in the activity block will the activity description be inserted?
1. Upper right
 2. Lower right
 3. Upper center
 4. Lower center
- 2-16. What is the main objective of the forward pass computations?
1. To determine the duration of the project
 2. To establish early start dates
 3. To determine late start dates
 4. To establish the duration of the activity
- 2-17. What are lag times?
1. Mandatory break times
 2. Mandatory wait times between activities
 3. Optional break times
 4. Optional wait times between activities
- 2-18. What is the equation for finding the early finish time of an activity?
1. Early start minus duration
 2. Late start minus duration
 3. Early start plus duration
 4. Late start plus duration
- 2-19. In a basic schedule, what factor is determined by the backward pass computations?
1. The earliest possible start and finish
 2. The critical path
 3. The duration of the project
 4. The computed float only
- 2-20. Which of the following phrases best describes the critical path in a precedence diagram?
1. It is the shortest path throughout the network
 2. It is the path with the most free float
 3. It is the longest path throughout the network
 4. It is the path with the most total float
- 2-21. What term is used to identify the number of days an activity can be delayed without delaying the project completion date?
1. Float
 2. Allowance of time
 3. Dead time
 4. Total float
- 2-22. Which of the following statements best describes free float?
1. The number of days free during the deployment
 2. The number of days an activity can be delayed without taking float away from the next activity
 3. The number of days free during the project
 4. The number of days off during the project
- 2-23. When network calculations are being performed, the total float of an activity should be determined by the use of what formula?
1. Total float = late start plus early start
 2. Total float = early start minus early finish
 3. Total float = late start plus late finish
 4. Total float = late start minus early start
- 2-24. What is the meaning of the term critical activity?
1. The activity is in bad shape
 2. The activity has no float
 3. The activity has no material
 4. The activity has float
- 2-25. When calculating the start and finish dates of a project network, what logic type will give you the longest project duration?
1. Finish-to-start
 2. Start-to-start
 3. Finish-to-finish
 4. Late finish to early finish

2-26. On a level III barchart, what markings represent the critical construction activity durations?

1. Single dash lines
2. Red lines
3. Double dash lines
4. Black dots

2-27. On the level III barchart, free float is shown as dots behind each noncritical activity. How do you find the total float for an activity with no free float?

1. Look at the activity at the beginning of the network
2. Look at the activity at the end of the network
3. Look at the next activity
4. Look at the activity with shared floats

2-28. Resource leveling involves matching construction activities scheduled with what other factor?

1. The material on hand
2. The crew size available
3. The network
4. The project

2-29. Which of the following do you need to know in order to perform resource leveling?

1. Time-scaled schedule
2. Crew size
3. Histogram
4. All of the above

FOR QUESTIONS 2-30 AND 2-31, REFER TO FIGURE 2-16 OF THE TEXTBOOK.

2-30. Look at activity 1020 in the histogram of June 28. How many equipment operators are required for that day?

1. Zero
2. Two
3. Three
4. Four

2-31. How many equipment operators are required to complete activity 1020?

1. Zero
2. Two
3. Six
4. Eight

FOR QUESTIONS 2-32 AND 2-33, REFER TO FIGURE 2-17 OF THE TEXTBOOK.

2-32. What is the total float for activity 4000?

1. 11
2. 2
3. 13
4. 14

2-33. How many builders are required for activity 4000?

1. 13
2. 2
3. 6
4. 8

2-34. When the level III barchart is sorted by early start dates, an activity can be moved in what direction(s)?

1. Forward only
2. Backward only
3. Forward or backward
4. Any direction

2-35. Activities that show no free float are tied by dependency to what factor?

1. Total float
2. Available resources
3. The network
4. Other activities

2-36. A level III barchart sorted by activity number is used in the development of the level II. Man-day estimates are taken from what source?

1. Histogram
2. Network
3. CAS sheets
4. Level I

2-37. On a level II barchart, the weeks for the entire deployment are written across the top. What day of the week is always used?

1. Sunday
2. Monday
3. Friday
4. Saturday

2-38. On a level II barchart, the scheduled progress curve is drawn by plotting the percent complete scheduled at the end of what period of time?

1. One week
2. Two weeks
3. Thirty days
4. Quarterly

- 2-39. CAS sheets used properly can greatly enhance the construction effort of your project. Of the following, which one is an important use of the CAS sheets?
1. Control the work load
 2. Control the job conditions
 3. Track resources
 4. Track labor skills
- 2-40. What individual initiates local purchase actions?
1. Expeditor
 2. Project chief
 3. MLO
 4. Crew leader
- 2-41. Of the following barcharts, which is used to reflect the daily status of your project?
1. Level I
 2. Level II
 3. Level III
 4. Level IV
- 2-42. The critical path on the barchart that is posted on the jobsite should be highlighted in what color?
1. Yellow
 2. Red
 3. Green
 4. Blue
- 2-43. Which of the following factors, if not tracked continuously, could cause a work delay?
1. Long lead items
 2. Personnel
 3. Tools
 4. Man-days
- 2-44. If the project is behind schedule, what form is used to reflect how you are going to get back on schedule?
1. Level I
 2. Level II
 3. CAS sheet
 4. Two-week schedule
- 2-45. Which of the following tools is used primarily by the crew leader to ensure that all materials are on the jobsite?
1. Inventory log
 2. Expediter log
 3. Two-week schedules
 4. MLO log
- 2-46. A crew leader requesting material from MLO should give a lead time of what minimum number of days?
1. One
 2. Two
 3. Three
 4. Four
- 2-47. When giving crew briefings, which of the following tools can be used to improve the briefings?
1. Plan of the day
 2. Master activity prep list
 3. Project status
 4. Project summary
- 2-48. What is the formula for calculating the actual availability factor for your project?
1. $AF = \frac{MD \text{ expended}}{Crew \text{ assigned} \times WD \times MDE}$
 2. $AF = \frac{Crew \text{ assigned}}{WD \times MDE}$
 3. $AF = \frac{Crew \text{ assigned} \times WD \times MDE}{MD \text{ expended}}$
 4. $AF = \frac{MDE}{MD \text{ expended} \times WD}$
- 2-49. Increasing availability by 10 percent is the same as adding how many personnel to your crew?
1. One
 2. Two
 3. Three
 4. Four
- 2-50. Projects are initially laid out on a logic diagram using what type of logic relationship?
1. Start-to-finish
 2. Start-to-start
 3. Finish-to-finish
 4. Finish-to-start
- 2-51. What type of logic relationship will stretch the project completion date?
1. Start-to-finish
 2. Start-to-start
 3. Finish-to-finish
 4. Finish-to-start
- 2-52. At what point during the deployment are project schedules considered firm?
1. After the BEEP
 2. After the 45-day review
 3. After the 90-day review
 4. After the project start date

- 2-53. What is the most accurate way of recording man-days expended on a project?
1. Labor reports
 2. Timecards
 3. SITREPs
 4. Barcharts
- 2-54. What type of labor contributes directly to the accomplishment of the battalion's mission?
1. Direct
 2. Indirect
 3. Productive
 4. Overhead
- 2-55. Man-days expended directly on construction activities, in the field or the shop, are considered what type of labor?
1. Direct
 2. Indirect
 3. Productive
 4. Overhead
- 2-56. Labor expended in "A" Co. CM shops is considered what type?
1. Direct
 2. Indirect
 3. Productive
 4. Overhead
- 2-57. When filling out a SITREP feeder, what is the formula for figuring the weighted percent for each master activity?
1. Master activity estimated man-days divided by total project estimated man-days
 2. Total project estimated man-days divided by master activity estimated man-days
 3. Original estimated man-days divided by project estimated man-days
 4. Project estimated man-days divided by original estimated man-days
- 2-58. When computing master activity percent complete (WIP), which of the following data is NOT used?
1. Weighted percent
 2. Man-days expended
 3. Actual work in place
 4. Master activity percent complete
- 2-59. The project percent complete is computed by multiplying what two figures?
1. Weighted percent by man-days remaining
 2. Weighted percent by man-days expended
 3. Weighted percent by master activity percent complete
 4. Weighted percent by original man-days estimated
- 2-60. What is the allowable percent deviation between actual WIP and scheduled WIP for a project of 800 man-days?
1. 20%
 2. 15%
 3. 10%
 4. 5%
- 2-61. A construction activity with an original estimate of 40 man-days is 25 percent complete. How many man-days are remaining?
1. 30
 2. 25
 3. 20
 4. 15
- 2-62. Once construction has started on a project, it is considered active and is not removed from the SITREP until the project is accepted by what individual?
1. The QC chief
 2. The ROICC
 3. The operations chief
 4. The operations officer
- 2-63. What authority approves the adjustment of the usable completion date (UCD) reflected in the SITREP?
1. Operations officer
 2. Commanding officer
 3. 2ndNCB/3rdNCB
 4. ROICC
- 2-64. To make a progress curve on the level II barchart, what figures must be plotted?
1. Estimated man-days and actual man-days expended
 2. Estimated man-days and percent completed
 3. Man-days expended and man-days remaining
 4. Man-days expended and percent completed

- 2-65. Who is responsible for safety on your jobsite?
1. Safety officer
 2. Safety chief
 3. You
 4. ROICC
- 2-66. What is the most common cause of project mishaps?
1. Safety chief not on jobsite
 2. Unsafe construction practices
 3. Material delay
 4. Insufficient tools
- 2-67. What is the purpose of the daily stand-up safety lecture?
1. To discuss daily events
 2. To increase personnel awareness
 3. To distribute routine tasking
 4. To discuss project status
- 2-68. Ground fault circuit interrupters (GFCIs) should be used with what type of tools?
1. Double insulated tools
 2. Uninsulated tools
 3. Old tools
 4. All power tools
- 2-69. How often are all electrical portable tools, extension cords, small gasoline, pneumatic, and power-actuated tools safety inspected and tagged with the safety color of the month?
1. Monthly
 2. Bimonthly
 3. Quarterly
 4. Yearly
- 2-70. Guidance on the removal of asbestos can be found in which of the following instructions?
1. NAVFAC P-908
 2. NAVFAC P-307
 3. COM2NDNCB/COM3RDNCBINST 11200 series
 4. COM2NDNCB/COM3RDNCBINST 5100 series
- 2-71. According to the EM 385-1-1, a bank on stable ground has to be what minimum height to require shoring?
1. 10 feet
 2. 2 feet
 3. 5 feet
 4. 8 feet
- 2-72. Upon completion of a project, where do you turn in excess project material?
1. DRMO
 2. MLO
 3. Dump
 4. CTR
- 2-73. At the close of a project, the battalion is required to turn in how many sets of red-line drawings to the ROICC?
1. Eight
 2. Two
 3. Six
 4. Four
- 2-74. After the preliminary acceptance inspection with the ROICC, who provides the written punchlist?
1. Operations officer
 2. Customer
 3. ROICC
 4. Project supervisor
- 2-75. After the project has been accepted, the project files are closed and retained for what amount of time?
1. 6 months
 2. 12 months
 3. 24 months
 4. 36 months

ASSIGNMENT 3

Textbook Assignment: "Construction Management," chapter 3, pages 3-1 through 3-30, and "Advanced Base Planning and Embarkation," chapter 4, pages 4-1 through 4-8.

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| <p>3-1. The main purpose of the quality control (QC) program is to prevent discrepancies in workmanship and materials. In addition to the chain of command, who is responsible for quality construction?</p> <ol style="list-style-type: none"> 1. Crew leader 2. Project chief 3. QC chief 4. Operations officer | <p>3-7. What project package folder contains the log of all design change requests?</p> <ol style="list-style-type: none"> 1. 5 2. 6 3. 7 4. 8 |
| <p>3-2. Who is responsible for developing an aggressive QC plan for each project?</p> <ol style="list-style-type: none"> 1. QC chief 2. Project chief 3. Company chief 4. Crew leader | <p>3-8. How often are red-line drawings updated and compared with the drawings held by the operations department?</p> <ol style="list-style-type: none"> 1. Every week 2. Every 2 weeks 3. Every 3 weeks 4. Every 4 weeks |
| <p>3-3. To ensure quality, a means of measuring QC must be established. These QC measures are written on the CAS sheet in what manner?</p> <ol style="list-style-type: none"> 1. In construction language 2. In military language 3. In plain language 4. In CEC language | <p>3-9. What unit within the battalion performs the material tests that are required by specifications?</p> <ol style="list-style-type: none"> 1. MLO 2. Safety 3. Engineering 4. Operations |
| <p>3-4. When developing a QC plan, what is the last major step?</p> <ol style="list-style-type: none"> 1. Develop equipment report 2. Develop material report 3. Develop daily QC inspection report 4. Develop visitor report | <p>3-10. As project materials are received in MLO, they will be inspected by the crew leader for that project. How many days prior to use will they have to be inspected again?</p> <ol style="list-style-type: none"> 1. 10 2. 20 3. 30 4. 60 |
| <p>3-5. Where are all test and inspections listed on the CAS sheet?</p> <ol style="list-style-type: none"> 1. Front 2. Back 3. Under Remarks/Results 4. Under Assumptions | <p>3-11. The goal of the 2ndNCB/3rdNCB is to have what percent of critical path materials on site at project start?</p> <ol style="list-style-type: none"> 1. 100 2. 75 3. 50 4. 25 |
| <p>3-6. The ROICC approves any battalion recommended field changes. What authority approves any changes that require 50 or more man-days of additional direct labor?</p> <ol style="list-style-type: none"> 1. ROICC 2. Customer 3. Operations officer 4. 2ndNCB/3rdNCB | <p>3-12. In home port who generates the bills of material for your project?</p> <ol style="list-style-type: none"> 1. Battalion operations 2. Battalion engineering 3. 20th or 31th NCR 4. Project customer |

- 3-13. The material take-off list is used for what purpose?
1. First-stage planning
 2. Check-and-balance
 3. MLO order list
 4. Receipt for MLO
- 3-14. What is the purpose of a BM add-on?
1. To order an existing BMLI
 2. To add a continuation of the BM
 3. To decrease paperwork
 4. To order a completely new item
- 3-15. When deployed on an Atlantic site, what report is used to track your materials?
1. Project control report
 2. Project status report
 3. Project material report
 4. Project supply report
- 3-16. What report is used by MLO to track project money spent on locally procured materials?
1. PCR
 2. PSR
 3. EAC
 4. PBR
- 3-17. Once deployed and your project has started, how many working days of material must you keep on the jobsite?
1. 10
 2. 20
 3. 30
 4. 45
- 3-18. For "B" priority locally ordered items, how much lead time must you give MLO after they receive your 1250-1?
1. 1 to 3 days
 2. 2 weeks plus
 3. 3 to 4 weeks
 4. 4 days to 2 weeks
- 3-19. The excess file in MLO is established from material left over from completed projects. How long will MLO store this material?
1. 1 month
 2. 2 months
 3. 3 months
 4. 6 months
- 3-20. The SAMMS computer system in MLO generates a materials due report. How often should MLO provide this report for your project?
1. Once a week
 2. Twice a month
 3. Monthly
 4. Every six months
- 3-21. What is the policy for picking up hitchhikers?
1. Allowed only in foul weather
 2. Encouraged when it does not interfere with your mission
 3. Strictly forbidden
 4. Always allowed
- 3-22. On a piece of operating construction equipment, what determines the number of personnel allowed on it?
1. Number of seats
 2. Amount of room
 3. Type of task
 4. Size of equipment
- 3-23. When will equipment be made available for maintenance?
1. When workload allows
 2. When scheduled by maintenance branch
 3. Upon completion of project
 4. During slack times
- 3-24. Who performs operator maintenance on equipment assigned to your project?
1. The EO assigned to the project
 2. The CM assigned to the project
 3. The individual operating that piece of equipment
 4. The crew leader
- 3-25. Operators of automotive or construction equipment are responsible for the prestart inspection. Where can a list of these services be found?
1. Equipment Repair Order
 2. Shop Repair Order
 3. Project Inspection List
 4. Inspection Guide and Trouble Report (hard card)

- 3-26. Scheduled maintenance is known as preventive maintenance (PM). Besides maximizing equipment availability, what is the prime objective of this maintenance?
1. To slow project completion
 2. To minimize unnecessary repair cost
 3. To maximize shop workload
 4. To fully train shop mechanics
- 3-27. On a piece of NCF equipment, the standard interval between PM service is what number of working days?
1. 90
 2. 60
 3. 30
 4. 40
- 3-28. On what basis, if any can the interval for PM on a piece of equipment be extended?
1. Operator's decision
 2. Project requirements
 3. Crew leader's decision
 4. None; the interval can never be extended
- 3-29. Tool accountability is controlled by the crew leader through tool kit inventories. How often are tool kit inventories required by the Seabee Supply Manual?
1. Monthly
 2. Twice monthly
 3. Quarterly
 4. Annually
- 3-30. What is the first thing visitors notice about your jobsite?
1. Quality of work
 2. Quantity of work
 3. Appearance
 4. Number of personnel assigned
- 3-31. Crew leaders must be prepared for the inspections given by each brigade. The one given by the 3rdNCB is called an ORI. What is the one given by the 2ndNCB called?
1. FEX
 2. DMI
 3. QCI
 4. SPC
- 3-32. Which of the following data is included among the contents of the NAVFAC P-437, volume 1?
1. Amounts of fuel required to operate components
 2. Sizes of the crew it takes to operate facilities
 3. Number of acres of land a facility occupies
 4. Drawings of facilities and assemblies
- 3-33. A site plan for a specific component may be located in what (a) volume and (b) part of the P-437 ABFC?
1. (a) Volume 1 (b) Part 1
 2. (a) Volume 2 (b) Part 2
 3. (a) Volume 1 (b) Part 2
 4. (a) Volume 2 (b) Part 1
- 3-34. A construction network is included in the ABFC system as part of the design package in the NAVFAC P-437. In what grouping can the networks be found?
1. Assembly
 2. Component
 3. Facility
 4. Project
- 3-35. Volume 2 of the NAVFAC P-437 lists, by national stock number (NSN), the material requirements for which of the following units?
1. Facility
 2. Assembly
 3. Project
 4. Component
- 3-36. NAVFAC P-437, volume 2, lists the requirements referred to in question 3-35 not only by NSN, but also by DoD category codes. These same category codes are also listed in which of the following publications?
1. NAVFAC P-72
 2. NAVFAC P-315
 3. NAVFAC P-405
 4. NAVFAC P-307
- 3-37. To find the facility that is required for enlisted personnel quarters, you should look under what category code?
1. 900 - Real Estate
 2. 800 - Utilities and Ground Improvement
 3. 300 - Research, Development, and Evaluation
 4. 700 - Housing and Community

3-38. Assemblies are functionally grouped by numbers so they relate to which of the following installation characteristics?

1. Occupational Field 13 skills required
2. Size of the crew required
3. Amount of Alfa Company support required
4. Amount of supplies on hand

3-39. How can components or facilities be tailored?

1. By specifying requirements for Tropical or North Temperate Zones
2. By deleting or adding facilities or assemblies
3. Both 1 and 2 above
4. By requesting additional assistance from NAVFAC only

3-40. In the ABFC system, what code identifies assemblies required for use in the North Temperate Zone?

1. T
2. NT
3. N
4. c

IN ANSWERING QUESTION 3-41, REFER TO FIGURE 4-2 OF THE TEXTBOOK.

3-41. Approximately how many man-hours should it take to install two 200-kW diesel generators?

1. 10
2. 9
3. 7
4. 5

3-42. In the Facilities Planning Guide, how are component site plans represented?

1. Construction drawing numbers
2. NAVFAC drawing numbers
3. CECOS drawing numbers
4. NCF drawing numbers

3-43. Construction standards are grouped into two classifications, initial and temporary. What is the duration requirement for initial construction?

1. More than 16 weeks
2. Less than 12 weeks
3. More than 8 months
4. Less than 6 months

3-44. Fuel usage is computed for installed engine-driven equipment based on a requirement of how many days?

1. 90
2. 60
3. 30
4. 10

3-45. How are facility drawings in volume 1, part 2 indexed?

1. By facility number
2. By drawing number
3. By construction number
4. By CESE number

3-46. What numbering system is used to identify the Civil Engineer Support Equipment needed to make a facility functionally operational?

1. CESE
2. ECC
3. TOA
4. ABIOL

IN ANSWERING QUESTION 3-47, REFER TO TABLE 4-1 OF THE TEXTBOOK.

3-47. A facility is to be disassembled and moved to another location and reused. What recoverability code is assigned to this facility?

1. A
2. B
3. C
4. D

IN ANSWERING QUESTION 4-48, REFER TO FIGURE 4-4 OF THE TEXTBOOK.

3-48. How many construction electricians are required to install assembly number 32602?

1. One
2. Two
3. Three
4. Four

3-49. When ordering a component, not in your TOA, what authority must the request go through?

1. NAVFAC
2. CNO
3. CESCO
4. OPNAV

3-50. In what publication is the *Index of Facilities* listed?

1. P-404
2. P-307
3. P-437
4. P-315

- 3-51. To obtain fixtures that are not furnished with a facility or an assembly listed in NAVFAC P-437, you should do which of the following?
1. Order them separately
 2. Purchase them on the open market
 3. Pick them up at a supply depot
 4. Build them yourself

ASSIGNMENT 4

Textbook Assignment: "Advanced Base Planning and Embarkation," chapter 4, pages 4-7 through 4-32.

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| <p>4-1. Which of the following terms applies to a naval unit with the capability of deploying and redeploying in response to an assigned mission?</p> <ol style="list-style-type: none"> 1. Readiness 2. Operational 3. Mobile 4. Tactical <p>4-2. To meet the requirements for contingency support, an NMCB in home port must be capable of redeployment within a maximum of how many days?</p> <ol style="list-style-type: none"> 1. 10 2. 20 3. 30 4. 60 <p>4-3. During the first 30 days after returning to home port, a battalion must be ready to deploy an air detachment within what amount of time?</p> <ol style="list-style-type: none"> 1. 8 hours 2. 24 hours 3. 36 hours 4. 48 hours <p>4-4. During an embarkation, what personnel are expected to perform the mount-out?</p> <ol style="list-style-type: none"> 1. Equipment operators 2. Mechanics 3. Builders 4. All hands <p>4-5. What U.S. Air Force command is usually requested to provide strategic airlift requirements for contingency movements of NCF mobile units?</p> <ol style="list-style-type: none"> 1. The Strategic Air Command 2. Airlift Mobility Command 3. The Tactical Air Command 4. The North American Air Defense Command <p>4-6. Which of the following types of U.S. Air Force aircraft is/are used by the NCF for strategic embarkation?</p> <ol style="list-style-type: none"> 1. C-130 2. C-141 3. C-5 4. Each of the above | <p>4-7. The Air Force uses the same Computer-Aided Load Manifesting (CALM) system as the NCF. What is the purpose of this system?</p> <ol style="list-style-type: none"> 1. To design mount-out exercises 2. To design aircraft load plans 3. To program flight movement 4. To program unit movement <p>4-8. In an amphibious embarkation, what authority determines the shipping requirements and embarkation schedules?</p> <ol style="list-style-type: none"> 1. Loadmaster 2. 2nd NCB 3. 3rd NCB 4. OPNAV <p>4-9. The first principle of embarkation planning dictates that the plans must support which of the following evolutions?</p> <ol style="list-style-type: none"> 1. Personnel, equipment, and supplies must be loaded in a manner that will permit unloading in the time and sequence required to support the landing force ashore 2. NCF embark plans must contain combat support requirements for use during assault operations 3. The NCF embark officer must retain control of the assault force debarkation sequence 4. The embark planners must obtain an exact description of the tactical OPORD tasks ashore in order to modify each wave requirement and beachhead arrival sequence <p>4-10. To provide the highest possible degree of self-sufficiency during embarkation operations, the weapons, communications equipment, and CESE should be shipped in what manner?</p> <ol style="list-style-type: none"> 1. Separately, troops in one group and equipment in another 2. Weapons and troops together and CESE separately 3. Equipment, supplies, and supporting gear should be shipped with the troops using them 4. As determined by the combat cargo officer or aircraft loadmaster |
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- 4-11. There are four packing lists prepared for each mount-out box. One copy is placed inside the box, the second copy is retained by the user department, and the third copy is retained by the embarkation MOCC. Where is the final copy placed?
1. In the supply department file
 2. In a protective packet on the outside of the box
 3. In the custody of the aircraft commander or the combat cargo officer
 4. In the group embarkation commander's status files
- 4-12. A mount-out box should be kept to what maximum gross weight to expedite handling?
1. 150 pounds
 2. 250 pounds
 3. 350 pounds
 4. 400 pounds
- 4-13. Which of the following duties is the responsibility of the COMSECONDD/COMTHIRDD NCB embarkation staff?
1. Assigning cargo assembly areas, vehicle staging areas, and embarkation points
 2. Advising battalion or team embarkation officers in the preparation of load plans
 3. Maintaining constant liaison with other services and external organizations that support the embarkation process
 4. Preparing and maintaining template files of all currently deployed Tab A equipment attached to the battalion
- 4-14. In order to be assigned to the regimental embarkation staff, you must complete the formal embarkation schools. In what COMSECONDD/COMTHIRDD instruction can a list of these schools be found?
1. 1500.20
 2. 5100.1F
 3. 11014.2
 4. 11200.1
- 4-15. During home port, what staff has the responsibility of monitoring and evaluating all NCF embarkation exercises?
1. COMSECONDD/COMTHIRDD NCB embarkation staff
 2. Battalion embarkation staff
 3. Regimental embarkation staff
 4. NCF embarkation staff
- 4-16. Which of the following individuals is responsible for keeping the MOCC files current with all necessary information on embarkation?
1. Embarkation chief petty officer
 2. Operation officer
 3. Loadmaster
 4. Executive officer
- 4-17. Which of the following duties is the responsibility of the battalion embarkation chief petty officer?
1. Preparing operational orders to exercise the battalion's embarkation plan while deployed
 2. Maintaining a file of all NCF embarkation exercises held in home port
 3. Maintaining liaison with COMSECONDD/COMTHIRDD NCB embarkation staff
 4. Preparing and maintaining a template file of all current deployment site Tab A equipment attached to the battalion
- 4-18. During an actual mount-out, the battalion embarkation staff must function on a full-time basis until which of the following events occurs?
1. All of the embarked troops, supplies, and equipment have landed at the prescribed destination
 2. The embark officer has initiated a stand-down period
 3. The last aircraft or surface ship has departed the embarkation point
 4. The embarked troops are under the orders of the assault group commander
- 4-19. All details should include in their embarkation plan the possibility of being tasked to respond as an advance party for the battalion. Which of the following characteristics makes them ideal for such tasking?
1. Location and semi-independent nature
 2. Well-trained unit
 3. Quick response capability
 4. All of the above
- 4-20. While on deployment, what organization schedules the battalion's embarkation exercise?
1. NCB
 2. NCR
 3. NCF
 4. MOCC

4-21. Upon receipt of an initiating order to mount-out and deploy, what person is responsible for implementing the MOCC?

1. Commanding officer
2. Executive officer
3. Operations officer
4. Intelligence officer

4-22. Which of the following staff groups is responsible for controlling, coordinating, and monitoring the movement of personnel, supplies, and equipment to the embarkation staging areas?

1. ALCE
2. MOCC
3. DACG
4. Embarkation staff

4-23. What unit within the battalion serves as the coordinating center for all of the companies and all of the staff section heads?

1. Operations
2. Intelligence
3. MOCC
4. Quarter deck

4-24. Which of the following units is responsible for the actual loading of vessels or aircraft?

1. MOCC
2. DACG
3. NCF
4. NCB

IN ANSWERING QUESTIONS 4-25 AND 4-26, REFER TO FIGURE 4-7 OF THE TEXTBOOK.

4-25. Using the mount-out checklist, at what time is the company gear for the air detachment prepared for storage and/or embarkation?

1. H + 5
2. H + 24
3. H + 36
4. H + 44

4-26. At what time is the main body rough personnel manifest submitted to the personnel officer?

1. H + 15
2. H + 24
3. H + 39
4. H + 46

4-27. When uncertain about what information to report to the MOCC, you should take what action?

1. Ask your company commander
2. Report all pertinent information
3. Assume the MOCC already has the information
4. Prepare a memorandum for the record

4-28. For planning purposes, what is the peacetime preliminary aircraft cabin load (ACL) for a C-130?

1. 15,000 pounds
2. 25,000 pounds
3. 30,000 pounds
4. 50,000 pounds

4-29. Which of the following cargo aircraft is capable of takeoffs and landings on packed dirt or a SATS runway?

1. C-5
2. C-130
3. C-141
4. Each of the above

IN ANSWERING QUESTIONS 4-30 THROUGH 4-35, REFER TO TABLES 4-2 AND 4-3 OF THE TEXTBOOK.

4-30. What is the (a) height and (b) width, in inches, of the cargo compartment in a C-130 aircraft?

1. (a) 109 (b) 228
2. (a) 108 (b) 228
3. (a) 108 (b) 123
4. (a) 109 (b) 123

4-31. What is a maximum number of 463-L pallet positions available in a C-141 aircraft?

1. 10
2. 21
3. 36
4. 40

4-32. On the tail ramp of both the C-130 and the C-141 aircraft, what is the maximum permissible vehicle height, in inches?

1. 50
2. 76
3. 80
4. 105

4-33. The C-141A aircraft, unstretched and without side seats, can accommodate a total of how many passengers?

1. 62
2. 70
3. 90
4. 152

4-34. What is the length, in inches, of the cargo compartment in a C-5A Galaxy aircraft?

1. 1,454
2. 840
3. 492
4. 228

4-35. The optimum center of balance for a C-130 aircraft is located at what fuselage station?

1. 512
2. 524
3. 536
4. 925

- | | |
|----|---|
| A. | Special assignment
airlift mission
(SAAM) |
| B. | Joint airborne/air
transportability
training (JA/ATT) |
| C. | AMC channel
flights |
| D. | Joint Chiefs of
Staff exercise
airlifts |

FIGURE 4A

IN ANSWERING QUESTIONS 4-36 THROUGH 4-40, REFER TO FIGURE 4A. SELECT THE TYPE OF AMC MISSION USED TO SUPPORT THE FOLLOWING AIRLIFT MISSIONS.

4-36. Airlifts for out-of-CONUS or theater service over established routes.

1. A
2. B
3. C
4. D

4-37. Airlifts purchased or contracted by a user for their own unilateral support.

1. A
2. B
3. C
4. D

4-38. Airlifts for deploying a unit to an overseas site in commercial aircraft.

1. A
2. B
3. C
4. D

4-39. Airlifts for multiservice or multinational exercises, such as NATO.

1. A
2. B
3. C
4. D

4-40. Airlifts that provide specific training data in the loading and transporting of NCF-unique CESE.

1. A
2. B
3. C
4. D

4-41. Which of the following staff groups is responsible for ensuring orderly and timely movement of personnel, material, and equipment from the airfield to the deployment site?

1. DACG
2. AACG
3. MOCC
4. ALCE

4-42. Where is the equipment and material staging and marshaling area usually located?

1. In close proximity to the CESE preparation area
2. In the vicinity of the departing airfield
3. In the vicinity of the arriving airfield
4. In close proximity to Headquarters

4-43. When an aircraft lands en route to or from home base, who has the duty of providing cargo security?

1. OOD
2. Aircraft pilot
3. Aircraft crew
4. OIC

- 4-44. As the flight OIC, how many hours before the scheduled flight time must you muster your personnel?
1. 12
 2. 24
 3. 36
 4. 48
- 4-45. Before hazardous cargo can be accepted for movement by airlift, it must be certified on what form?
1. AFR 71-4
 2. DD Form 1387-2
 3. NAVFAC 1706/3
 4. DD Form 1348
- 4-46. What manual outlines the procedures for embarking the CESE assigned to a battalion TOA aboard aircraft?
1. NAVFAC P-404
 2. COMSECOND/COMTHIRDNCBINST 11014.2
 3. COMSECOND/COMTHIRDNCBINST 3120.1 series
 4. NAVFAC P-307
- 4-47. When a piece of CESE is positioned on the cargo ramp of an aircraft, how much fuel, if any, is allowed to remain in the fuel tank?
1. 1/4 tank
 2. 1/2 tank
 3. 3/4 tank
 4. None
- 4-48. Water tanks and water trailers must be airlifted empty according to what manual?
1. NAVFAC P-307
 2. NAVDOCKS P-306
 3. AFM 76-6
 4. OPNAV 5090
- 4-49. When locating the center of balance of a vehicle, you must establish a reference datum line (RDL). The RDL is determined from what location on the vehicle?
1. The farthest forward point of a vehicle
 2. The center line of the front axle
 3. The center line between the rear tandem axles
 4. The center line of the extreme rear axle
- 4-50. What is the preferred method for determining the C/B of a track vehicle?
1. Weigh each end on a scale, then combine the weights and divide by 2
 2. Weigh each track at the center line of the vehicle, then mark it on both sides of the center line
 3. Lift the vehicle with a crane at the tie-down devices, then slide the vehicle until balance is achieved
 4. Drive the vehicle over a wooden beam that is perpendicular to the tracks, then mark the C/B where the vehicle balances on the beam
- 4-51. What is the cargo area space on a 463-L cargo pallet?
1. 96 x 290 inches
 2. 88 x 108 inches
 3. 84 x 104 inches
 4. 84 x 108 inches
- 4-52. A 463-L pallet can hold what maximum weight?
1. 6,000 pounds
 2. 8,000 pounds
 3. 9,000 pounds
 4. 10,000 pounds
- 4-53. When storing the 463-L pallets, what is the maximum number you can stack on top of each other without setting up the 4 x 4 inch dunnage for the next stack?
1. 6
 2. 8
 3. 10
 4. 12
- 4-54. What person is the primary authority on any questions that pertain to the aircraft load?
1. The embarkation officer
 2. The contracting unit representative
 3. The ALCE team supervisor
 4. The aircraft loadmaster

Textbook Assignment: "Seabee Battalion Turnover and Tool Management," chapter 5, pages 5-1 through 5-27.

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| <p>5-1. Before the deployment of the battalion main body from home port, what two groups of battalion personnel deploy to the future deployment site?</p> <ol style="list-style-type: none"> 1. Alfa and Bravo company 2. Predeployment and advance party 3. Operations and engineering 4. Operations and maintenance | <p>5-5. Approximately 10 days before the departure of the main body, the advance party will deploy. Which of the following is a primary purpose of this group?</p> <ol style="list-style-type: none"> 1. To start the deployment cycle 2. To prepare for the outgoing BEEP 3. To prepare for the arrival of the main body 4. To cut down on the size of the main body flight |
| <p>5-2. Which of the following instructions govern the two evolutions referred to in question 5-1?</p> <ol style="list-style-type: none"> 1. 2ndNCB/3rdNCBINST 11200.1 and P-404 2. 2ndNCB/3rdNCBINST 5100.1 and P-307 3. 2ndNCB/3rdNCBINST 5400.9 and 4650.1 4. 2ndNCB/3rdNCBINST 5200.1 and 8261.2 | <p>5-6. If the advance party successfully completes its tasking, production can begin within how many days?</p> <ol style="list-style-type: none"> 1. 6 to 10 days 2. 2 to 3 days 3. 5 to 10 days 4. 8 to 10 days |
| <p>5-3. Which of the following purposes of the predeployment visit is/are considered to be primary?</p> <ol style="list-style-type: none"> 1. To provide the relieving battalion with an idea of the facilities 2. To provide the relieving battalion with an idea of the equipment available 3. To provide the relieving battalion with an idea of the current and projected status of projects 4. All of the above | <p>5-7. How many days is normally required to turn over a main body site?</p> <ol style="list-style-type: none"> 1. 10 2. 12 3. 14 4. 21 |
| <p>5-4. During a predeployment trip there are numerous questions that must normally be resolved. Which of the following publications provides a detailed list of these questions?</p> <ol style="list-style-type: none"> 1. <i>Equipment Management Manual</i> 2. <i>Operations Officer's Handbook</i> 3. <i>Facilities Management Manual</i> 4. <i>NCF Maintenance Management Program</i> | <p>5-8. The final number of personnel assigned to the advance party can vary for a number of reasons. What is the approximate number of personnel assigned to the advance party?</p> <ol style="list-style-type: none"> 1. 100 2. 150 3. 180 4. 190 |
| | <p>5-9. During the turnover, who provides transportation and handles the cargo for all flights except the last one leaving?</p> <ol style="list-style-type: none"> 1. Local public works personnel 2. Relieving battalion personnel 3. Contract personnel 4. On-site battalion personnel |
| | <p>5-10. How many days before the departure of the on-site battalion will all watches be turned over to the relieving battalion?</p> <ol style="list-style-type: none"> 1. 1 2. 2 3. 3 4. 4 |

- 5-11. At what point during the turnover is custody of CESE equipment turned over to the relieving battalion?
1. Upon arrival
 2. At the completion of the BEEP
 3. As each piece is accepted by the shops
 4. When the maintenance supervisor signs the repair order
- 5-12. Which of the following is NOT considered a battalion turnover of a project?
1. Beneficial occupancy date
 2. Battalion relief
 3. Embarkation exercise
 4. Natural disaster
- 5-13. During the turnover of each uncompleted project, you must determine how much of the project remains and inspect all materials. What additional determination must you make?
1. Location of the project
 2. Weather conditions
 3. Actual work-in-place
 4. Time to and from project
- 5-14. How many days prior to returning to home port is the on-site battalion required to furnish the relieving battalion with a Construction Project Status at Turnover report?
1. 180
 2. 120
 3. 90
 4. 60
- 5-15. What is the purpose of the Construction Project Status at Turnover SITREP?
1. To project the status of each on-site battalion's tasked projects at the end of their deployment
 2. To project the status of each on-site battalion's future project tasking
 3. To project the status of each relieving battalion's projects
 4. To project the status of equipment available for future projects
- 5-16. For new-start repair/alteration projects, 100 percent of the local purchase materials must be procured and on site. What organization has this responsibility?
1. 20thNCR/31stNCR
 2. On-site battalion
 3. Relieving battalion
 4. 2ndNCB/3rdNCB
- 5-17. When during the deployment does the on-site battalion begin submitting the monthly Local Material Procurement Status SITREP?
1. After the 120-day review
 2. After the 90-day review
 3. After the 60-day review
 4. After the 45-day review
- 5-18. The project estimates must be reviewed by the on-site and relieving battalion. If a project requires over 50 man-days of rework, what authority must approve the additional work?
1. 2ndNCB/3rdNCB
 2. 20thNCR/31stNCR
 3. On-site battalion
 4. Relieving battalion
- 5-19. The project WIP curve must be continuous through the history of any project. A request for a scope change can be submitted by message. What authority must approve this request?
1. NAVFAC
 2. 20thNCR/31stNCR
 3. 2ndNCB/3rdNCB
 4. ROICC
- 5-20. Before MLO or CTR can consider completed project materials or tools as excess, they must be offered to what organization?
1. DRMO
 2. Public Works
 3. 2ndNCB/3rdNCB
 4. Customer
- 5-21. Once a project is complete, when does the 1-year warranty take effect?
1. After the preliminary acceptance inspection
 2. After the pre-BOD inspection
 3. Upon completion of all punch list items
 4. When beneficial occupancy is established

- 5-22. At the completion of a project, the ROICC acceptance letter is placed in the project files. The files are then closed and retained by the ROICC for how long?
1. 1 year
 2. 2 years
 3. Until deployment completion
 4. Until the battalion is relieved
- 5-23. What program provides the relieving battalion with a realistic and in-depth operating condition of the CESE allowance, facilities, tools, and materials?
1. BEEP
 2. CESO
 3. NAVFAC
 4. MMP
- 5-24. During the BEEP, what equipment condition code restricts the ordering or purchasing of collateral equipage or repair parts?
1. A6
 2. A5
 3. A3
 4. A4
- 5-25. How many working days before the BEEP can preventive maintenance of equipment be stopped?
1. 14
 2. 10
 3. 7
 4. 5
- 5-26. What authorities assign the final CESE condition codes?
1. Maintenance supervisors
 2. Operations officers
 3. BEEP representatives
 4. Commanding officers
- 5-27. All CESE, with the exception of warehoused units, is returned to the ALFA company facility for the BEEP. Who approves any exceptions?
1. Operations chief
 2. Safety representative
 3. BEEP representative
 4. ALFA company operations chief
- 5-28. During the deployment, CESE can be placed in the warehouse program up until how many days before the BEEP?
1. 10
 2. 20
 3. 30
 4. 60
- 5-29. In the absence of a BEEP representative at a detail site, the detail OIC will comply with what manual?
1. Maintenance Management Manual
 2. Red Book
 3. Construction Management Manual
 4. OIC Management Handbook
- 5-30. The BEEP must be completed before the arrival of the main body. It is recommended that the BEEP start how many days before the arrival of the main body?
1. 14
 2. 12
 3. 7
 4. 6
- 5-31. After the arrival of the main body, equipment preventive maintenance should start within how many working days?
1. 14
 2. 10
 3. 7
 4. 5
- 5-32. The battalion being relieved prepares a schedule of all USN-numbered equipment prior to the BEEP. How should the equipment be grouped on this schedule?
1. By ECC
 2. By PM
 3. By USN
 4. By ERO
- 5-33. How many working days of equipment must be precleaned and staged before the start of the BEEP?
1. 1
 2. 2
 3. 3
 4. 4
- 5-34. You should suspect an outstanding requisition as having been shipped but not received after how many days?
1. 180
 2. 120
 3. 90
 4. 45
- 5-35. When is major body and paint work performed?
1. During the BEEP
 2. After the BEEP
 3. Immediately
 4. As soon as possible

- 5-36. Stored equipment is not normally depreserved for testing. When, if ever, will this equipment be depreserved?
1. When the incoming battalion decides to activate all the equipment
 2. When operations wants to activate all the equipment
 3. When visual inspection shows major discrepancies
 4. Never
- 5-37. All shop tools and tool kits must be inventoried and be 100 percent complete. If a tool is not physically present in the kit boxes, what form should be in the kit master folder?
1. TOA 1091
 2. NAVSUP 1250-1
 3. NAVSUP 1349
 4. IOU
- 5-38. What manual governs the Repair Parts portion of the BEEP?
1. Equipment Management Manual
 2. Seabee Construction Manual
 3. Seabee Supply Manual
 4. Maintenance Management Manual
- 5-39. What organization in the battalion manages hand and power tools, tradesman's tool kits and other special tools?
1. CTR
 2. MLO
 3. TOA
 4. OPs
- 5-40. What grouping of the TOA does the battalion's allowance list for authorized tools fall under?
1. TA-01
 2. TA-21
 3. TA-31
 4. TA-41
- 5-41. What organization provides the battalion with the augment tools/equipment list?
1. 2ndNCB/3rdNCB
 2. 20thNCR/31stNCR
 3. ROICC
 4. PWD
- 5-42. What department maintains the PM card for each power tool?
1. MLO
 2. Crew leader's company
 3. Operations
 4. CTR
- 5-43. After tools are inventoried and verified, who submits the report of completion to the supply officer?
1. Company chief
 2. Crew leader
 3. Company commander
 4. CTR custodian
- 5-44. After an inventory has been completed, all shortages are documented and a 1250-1 is submitted to CRT. What color copy of the 1250-1 does the crew leader keep for the records?
1. White
 2. Pink
 3. Green
 4. Yellow
- 5-45. When CTR orders a tool, a requisition number is entered on the 1250-1. What color copy of the 1250-1 is then sent back to the crew leader?
1. White
 2. Pink
 3. Green
 4. Yellow
- 5-46. A 1250-1 is used to draw individual tools from CTR. When a tool is issued, CTR will retain all copies of the 1250-1 except what color copy?
1. White
 2. Pink
 3. Green
 4. Yellow
- 5-47. CTR performs a PM and safety check of all power tools. What identifies this check?
1. The tool is tagged
 2. The tool is painted the color of the month
 3. The tool has color-coded tape for the month attached
 4. The tool has a copy of the 1250-1 attached
- 5-48. After the crew leader issues a tool to a crew member, who is now responsible for that tool?
1. Crew leader
 2. Crew member
 3. Company commander
 4. CTR custodian

- 5-49. When, if ever, are you authorized to rent a tool for a project?
1. When there is excess money for the project
 2. When the TOA tool is dead-lined with no replacement repair parts
 3. When the crew can use more than one tool at a time
 4. Never

- 5-50. The tools that were purchased with project funds must be offered to the customer. If the customer rejects these tools, the battalion may retain them under what category?
1. Excess
 2. Organic
 3. Augment
 4. Assigned

ASSIGNMENT 6

Textbook Assignment: "Naval Construction Force Camp Maintenance," chapter 6, pages 6-1 through 6-34, and "Environmental Pollution Control," chapter 7, pages 7-1 through 7-10.

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|---|---|
| <p>6-1. What is the function of the camp maintenance program?</p> <ol style="list-style-type: none"> 1. To build any needed buildings or structures for the battalion 2. To keep existing buildings, structures, grounds, and equipment in a serviceable condition 3. To distribute materials evenly among the various companies 4. To provide information for budgeting new buildings <p>6-2. What official in the battalion is responsible for managing and operating a public works maintenance program?</p> <ol style="list-style-type: none"> 1. Commanding officer 2. Executive officer 3. Operations officer 4. Public works officer <p>6-3. What is the number of man-days that the commanding officer, with the concurrence of the 2ndNCB/3rdNCB DET, can approve for minor construction projects?</p> <ol style="list-style-type: none"> 1. 15 2. 25 3. 50 4. 65 <p>6-4. The NCF camp maintenance management system was specifically designed for what Seabee camp operations?</p> <ol style="list-style-type: none"> 1. Atlantic detachment sites 2. Pacific detachment sites 3. Home port 4. Mainbody camps <p>6-5. What alternate assignment, if any, should be given to camp maintenance platoon personnel?</p> <ol style="list-style-type: none"> 1. Construction projects 2. Environmental control 3. Safety 4. None, they should be assigned maintenance full time | <p>6-6. What is the minimum number of direct labor personnel necessary to maintain camps in acceptable condition?</p> <ol style="list-style-type: none"> 1. 10 2. 20 3. 30 4. 40 <p>6-7. What is the maximum percent of camp maintenance personnel that can be rotated during a deployment without a waiver from the 2ndNCB/3rdNCB?</p> <ol style="list-style-type: none"> 1. 10% 2. 25% 3. 30% 4. 45% <p>6-8. What PRCP skill should the planning, estimating, and scheduling personnel assigned to the MCD Branch have?</p> <ol style="list-style-type: none"> 1. 25-75 2. 76-100 3. 103-703 4. 750-800 <p>6-9. If the CMO has no previous public works experience, what school should the CMO attend prior to deployment?</p> <ol style="list-style-type: none"> 1. Annapolis 2. CECOS 3. NLPG 4. CONP <p>6-10. What series COM2NDNCB/COM3RDNCBINST must the CMO follow to staff and operate the maintenance organization?</p> <ol style="list-style-type: none"> 1. 5100.23 2. 5200.2 3. 11014.2 4. 11200.1 <p>6-11. Which of the following is included as part of the CMO's duties?</p> <ol style="list-style-type: none"> 1. Operations officer 2. Energy/utilities conservation officer 3. Equipment officer 4. Training officer |
|---|---|

- 6-12. How often must the CMO submit the Shop Load Plan Report to the 2ndNCB/3rdNCB?
1. Monthly
 2. Semimonthly
 3. Quarterly
 4. Annually
- 6-13. The maintenance chief maintains a backlog of how many man-days of specific work that has 100 percent material on site?
1. 100
 2. 200
 3. 300
 4. 400
- 6-14. The maintenance chief maintains boiler certification certificates. Where can these certificates be found?
1. In the inspectors' reports
 2. In the facility history jackets
 3. In the PM schedules
 4. In the CMO's backlog records
- 6-15. The MCD generates projects to camp. How are these deficiencies identified?
1. By controlled inspections
 2. By the AIS
 3. By customer requests
 4. All of the above
- 6-16. The camp maintenance chief has authority to sign 1250-1s up to what monetary value?
1. \$ 500
 2. \$1,000
 3. \$1,500
 4. \$2,000
- 6-17. The MCD expeditor receives from MLO the MCD Project Material Status Report. How often should the expeditor receive this report?
1. Every 10 to 15 days
 2. Every 20 to 25 days
 3. Every 30 to 35 days
 4. Every 40 to 45 days
- 6-18. Who validates all equipment under the Preventive Maintenance System (PMS) Program?
1. Expeditor
 2. Trouble desk attendant
 3. PM/COSAL coordinator
 4. Shop foreman
- 6-19. The camp maintenance plan is prepared by the CMO. When is it updated?
1. Monthly
 2. Semimonthly
 3. Quarterly
 4. Annually
- 6-20. The camp maintenance plan should be sent to the 2ndNCB/3rdNCB DET at least how many days before the end of the quarter?
1. 30
 2. 45
 3. 60
 4. 90
- 6-21. Work is classified depending on urgency, duration, and repetitive nature. Which of the following categories is classified as work?
1. Emergency/service
 2. Specific job orders
 3. Standing job orders
 4. All of the above
- 6-22. Which of the following is classified as emergency/service work?
1. Work requiring less than 16 man-hours
 2. Work requiring 20 hours
 3. Work requiring 30 hours
 4. Work requiring 40 hours
- 6-23. When the shop foreman receives a service request form for routine work, the work should be assigned within how many hours?
1. 12
 2. 24
 3. 36
 4. 48
- 6-24. Any work request that exceeds 16 hours is designated as what type of work request?
1. Emergency job order
 2. Service job order
 3. Standing job order
 4. Specific job order
- 6-25. For specific job orders involving maintenance and repairs, the local battalion CO has approval authority for which of the following dollar amounts?
1. \$ 4,000
 2. \$ 5,050
 3. \$ 10,000
 4. \$200,000

- 6-26. Standing job orders are written for what type of work?
1. Work that is of a one time nature
 2. Work that has a high dollar amount
 3. Work that is of a highly repetitive nature
 4. Work that has been referred to an outside organization
- 6-27. An inspection, which reviews all camp facilities to determine the maintenance required during the deployment to preserve or improve the condition of camp structures and property, is classified as what type?
1. Annual inspection
 2. Control inspection
 3. Readiness inspection
 4. Operational inspection
- 6-28. The annual inspection summary is used for which of the following purposes?
1. To inform the commanding officer of camp maintenance repairs
 2. To schedule camp PMs
 3. To document deficiencies on camp facilities
 4. As an inventory for the 2ndNCB/3rdNCB
- 6-29. For the manpower availability summary and the work plan summary, the 3rdNCB has a man-day target for each of the three different types of job orders. What is the man-day target for standing job orders?
1. 10 percent
 2. 20 percent
 3. 30 percent
 4. 50 percent
- 6-30. The supply department handles all camp maintenance materials according to what manual?
1. COM2NDNCB/COM3RDNCBINST 4400.3
 2. COM2NDNCB/COM3RDNCBINST 5501.1
 3. NAVFAC P-300
 4. NAVFAC P-908
- 6-31. A 1250-1 is used to order material that is not in stock in the camp maintenance storeroom. From this 1250-1, an historical demand file is created. What color copy of the 1250-1 is used for this purpose?
1. White
 2. Yellow
 3. Green
 4. Pink
- 6-32. What part of the COSAL for camp maintenance lists the repair parts allowance and cross-reference data for camp equipment?
1. Part I
 2. Part II
 3. Part III
 4. Part IV
- 6-33. What form is used by camp maintenance to document any additions, deletions, or quantity increases/decreases to the published allowance list?
1. NAVSUP 1250-1
 2. NAVSUP 1220-2
 3. NAVSUP 1348
 4. NAVSUP 1140
- 6-34. The two basic types of equipment in Seabee material management are collateral and PSE. Which of the following items are referred to as PSE?
1. Vehicles
 2. Computers
 3. Generators
 4. Furniture
- 6-35. During what timeframe is the 2ndNCB/3rdNCB budget call issued?
1. January/February
 2. March/April
 3. May/June
 4. October/November
- 6-36. During the battalion turnover of camp maintenance, important items include job requirements and status charts. The job requirements and status charts must contain a backlog of a minimum of how many man-days?
1. 100
 2. 500
 3. 800
 4. 900

- 6-37. In what way should an EPA-approved container with contaminated absorbent material be disposed of?
1. Wrap the container of material in a plastic bag and place it in the dumpster
 2. Thoroughly burn the material
 3. Turn the container and material into the local DRMO
 4. Wash the material down the drain and reuse the container
- 6-38. Water pollution in the form of phosphates and nitrates is most likely to result from which of the following?
1. Chemicals used in pesticides and herbicides
 2. Sewage, land runoff, and industrial waste
 3. Oil from ships and offshore drilling rigs
 4. Salts from field irrigation and industrial processes
- 6-39. What is the main source of pollution in the form of disease-causing bacteria?
1. Drainage from animal feedlots
 2. Heater water from power projects and industrial processes
 3. Municipal sewage
 4. Silt, sand, and debris from city streets
- 6-40. What is one of the best ways of determining the ecological health of a body of water?
1. The temperature of the water
 2. The amount of carbon dioxide in the water
 3. The amount of oxygen in the water
 4. The number of different bacteria in the water
- 6-41. Anaerobic decomposition is a form of pollution that releases which of the following?
1. Methane or hydrogen sulfide
 2. Carbon dioxide or methane
 3. Carbon monoxide or hydrogen
 4. Methane or carbon monoxide
- 6-42. The addition of detergents, human waste, and fertilizers to water accelerates the process of a lake becoming a swamp and finally a land area. What is this form of pollution called?
1. Anaerobic decomposition
 2. Eutrophication
 3. Aerobic decomposition
 4. Mistrophication
- 6-43. Environmental damage, such as soil erosion and the destruction of wildlife habitats, is often caused by which of the following phases of construction?
1. Painting operations
 2. Foundation and footer excavations
 3. Grubbing and clearing operations
 4. Equipment maintenance on the project site
- 6-44. To help prevent siltation of nearby rivers and streams, in proximity to a construction site, project managers should perform which of the following actions to contain the water runoff?
1. Construct barriers near fast moving water runs
 2. Dig shallow trenches around the perimeter
 3. Burn the shrubs and trees at the perimeter of the site
 4. Pile construction waste at water runoff areas
- 6-45. Petroleum-base fuels should not be used for burning of brush, scrub, and stumps for which of the following reasons?
1. They do not burn completely and may seep into the underground water table
 2. They are too expensive to waste on scrub burning
 3. They become carcinogenic when mixed with water
 4. They coagulate and become solids, creating an impermeable soil strata

- 6-46. An interceptor trench can be used to recover-small petroleum spills under what conditions?
1. The atmospheric conditions are suitable
 2. The spills are contained by a natural barrier that prevents vertical migration
 3. The runoff permits burning
 4. The trench depth must be greater than 8 feet to break the impermeable strata
- 6-47. To prevent horizontal migration of a spill and still allow water to migrate, you should install rubber or plastic barriers at what location in a trench?
1. Along the bottom of the trench
 2. On both sides of the trench
 3. On the downgrade side of the trench
 4. Across the top of the trench, just below the floating spill material
- 6-48. Stripping of a spill area must be done carefully to remove contaminated soil so the removal process does not contaminate which of the following soil areas?
1. The gravel-sand layer
 2. The water table holding area
 3. The adjacent and underlying soil areas
 4. The topsoil and root structure that retains the moisture
- 6-49. When unburned hydrocarbons and various other fuel components combine chemically, which of the following by-products is normally formed?
1. Carbon monoxide
 2. Carbon dioxide
 3. Sulfur dioxide
 4. Lead sulfite
- 6-50. What three terms are associated with asbestos dust particle size?
1. Centimeter, millimeter, micron
 2. Millimeter, micron, angstrom
 3. Centimeter, micron, nanometer
 4. Micron, nanometer, angstrom
- 6-51. Air must be scrubbed with a special air filtration machine to remove what size of asbestos particles?
1. Millimeter
 2. Micron
 3. Angstrom
 4. Nanometer
- 6-52. When involved in an asbestos removal project, you should obtain which of the following instructions for guidance?
1. DPDOINST 5100.24 series
 2. OPNAVINST 5100.23 series
 3. OPNAVINST 5110.23 series
 4. OPNAVINST 5200.23 series
- 6-53. To identify toxic substance(s) contained in a pesticide, you should look in what location?
1. The warning label attached to the container
 2. The shipping document attached to the container
 3. The pamphlet supplied by the company
 4. The federal supply catalog
- 6-54. The main source of PCBs is found primarily in which of the following types of equipment?
1. Capacitors
 2. Transformers
 3. Ballasts
 4. Appliances
- 6-55. When involved with PCBs, you should obtain which of the following instructions for specific information?
1. OPNAVINST 5090.1 series
 2. OPNAVINST 5100.23 series
 3. NAVSUPINST 5100.27
 4. NEESA 20.2-028B
- 6-56. The EPA classifies material as hazardous waste when that material meets which of the following conditions?
1. Permeability
 2. Corrosivity
 3. Reactivity
 4. Both 2 and 3 above
- 6-57. Which of the following hazard classifications readily yields oxygen to stimulate the combustion of organic matter?
1. Corrosivity
 2. Ignitability
 3. Reactivity
 4. Toxicity

6-58. Which of the following hazard classifications is a liquid that corrodes steel at a rate greater than 6.35 mm per year at 130°F test temperature?

1. Corrosivity
2. Ignitability
3. Reactivity
4. Toxicity

6-59 Which of the following hazard classifications is a material that normally is unstable and that readily undergoes violent change without detonating?

1. Corrosivity
2. Ignitability
3. Reactivity
4. Toxicity

6-60 Which of the following hazard classifications is a material that can degrade into components that may be poisonous to the environment or to the public health, even in low doses?

1. Corrosivity
2. Ignitability
3. Reactivity
4. Toxicity

IN ANSWERING QUESTIONS 6-61 THROUGH 6-63, REFER TO FIGURE 7-3 OF THE TEXTBOOK.

6-61. According to the example shown, what is the flash point of this material?

1. Above 200°F
2. 200°F and below
3. Below 100°F
4. Below 73°F

6-62. According to the example shown, what is the reactivity hazard of this material?

1. May detonate
2. Shock or heat may detonate
3. Violent chemical
4. Unstable if heated

6-63. According to the example shown, what is the health hazard of this material?

1. Deadly
2. Extreme danger
3. Hazardous
4. Slightly hazardous

6-64. Project storage areas for combustible materials should be separated from other sources of ignition by what minimum distance?

1. 10 feet
2. 20 feet
3. 50 feet
4. 100 feet

ASSIGNMENT 7

Textbook Assignment: "Contract Quality Assurance," chapter 8, pages 8-1 through 8-12.

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| <p>7-1. The contracting of public works functions has been brought about by which of the following factors?</p> <ol style="list-style-type: none"> 1. Congressionally imposed manpower restrictions 2. State-of-the-art processes 3. Economics 4. Each of the above | <p>7-6. Change orders are informal contract changes that must meet only the OIC's specifications.</p> <ol style="list-style-type: none"> 1. True 2. False |
| <p>7-2. What person serves as the officer in charge of contracts?</p> <ol style="list-style-type: none"> 1. QAE 2. ROIC 3. A specially detailed officer 4. Public works officer | <p>7-7. Delays caused by change orders are of no concern to the government.</p> <ol style="list-style-type: none"> 1. True 2. False |
| <p>7-3. Which of the following persons are responsible for the day-to-day administration of a contract?</p> <ol style="list-style-type: none"> 1. The PWO and OIC 2. The ROIC and QAE 3. The PWO and QAE 4. The ROIC and OIC | <p>7-8. What publication is the primary guide for Navy contracts?</p> <ol style="list-style-type: none"> 1. NAVFAC MO-330 2. NAVFAC MO-327 3. NAVFAC P-315 4. NAVFAC P-78 |
| <p>7-4. The OIC should take which of the following actions after the awarding of a contract?</p> <ol style="list-style-type: none"> 1. Hold a preconstruction conference with only the government representatives that will manage the contract 2. Hold a preconstruction conference with both the government representatives and the contractor 3. Hold a post-award conference with the labor representatives involved 4. Hold a post-award conference with all inspectors | <p>7-9. NAVFAC is responsible for which of the following types of contracts?</p> <ol style="list-style-type: none"> 1. Construction 2. Facility support 3. Engineering design 4. Each of the above |
| <p>7-5. The inspector's daily report is primarily used for what purpose?</p> <ol style="list-style-type: none"> 1. To track the contractor's progress 2. To document the payments due to the contractor 3. To provide a historical record of the position of the government 4. To document all safety precautions required by the contract | <p>7-10. NAVFAC is NOT responsible for which of the following equipment?</p> <ol style="list-style-type: none"> 1. Fire-fighting 2. Automotive 3. Material-handling 4. Weight-handling |
| | <p>7-11. What organization is responsible for the readiness of the shore facilities?</p> <ol style="list-style-type: none"> 1. Engineering Field Divisions 2. Public Works 3. NAVFAC 4. The major claimants |
| | <p>7-12. The head of the contracts department of an EFD is NOT responsible for which of the following contract functions?</p> <ol style="list-style-type: none"> 1. Purchasing real estate 2. Approving awards 3. Developing specifications 4. Each of the above |

- 7-13. As the facilities support' contract manager, you have which of the following responsibilities?
1. Manage the post-award contract
 2. Evaluate the bids
 3. Certify contract payments
 4. Supervise the Quality Assurance Program
- 7-14. The OIC is directly responsible for which of the following contract aspects?
1. The post-award management
 2. The day-to-day management
 3. The contract solicitation
 4. The payment preparation
- 7-15. What official will normally arrange the pre-award conference?
1. OIC
 2. QAE
 3. ROIC
 4. FSCM
- 7-16. What official has the responsibility to ensure that the work meets contract requirements?
1. FSCM
 2. ROIC
 3. QAE
 4. PWS coordinator
- 7-17. What official prepares the quality assurance plan?
1. FSCM
 2. ROIC
 3. QAE
 4. PWS coordinator
- 7-18. The QAE must have, at a minimum, detailed knowledge in which of the following areas?
1. Contract administration
 2. Contract specifications
 3. Contract procedures
 4. Contract evaluation
- 7-19. Facility support contracts are provided by which of the following agencies?
1. NAVFAC and NAVSUP only
 2. NAVFAC and GSA only
 3. NAVSUP and GSA only
 4. NAVFAC, NAVSUP, and GSA
- 7-20. NAVFAC procures services that directly support which of the following functions?
1. Ships
 2. Aircraft
 3. Shore facilities
 4. Submarines
- 7-21. Facility support construction contracts (FSCCs) are defined by what authority?
1. NAVFAC
 2. Davis-Bacon Act
 3. NAVSUP
 4. Contracts officer
- 7-22. FSCCs are written in a format similar to what document?
1. Specifications
 2. Performance work statement
 3. Facility support contract
 4. Davis-Bacon Act
- 7-23. What authority has final determination as to whether or not a contract involves construction?
1. NAVFAC
 2. Department of the Navy
 3. Department of Defense
 4. Labor Department
- 7-24. What is the chief difference between a facility support service (FSS) contract and a FSCC?
1. An FSS calls for a product, not a contractor's time
 2. An FSS does not involve labor
 3. An FSS calls for a contractor's time vice a product
 4. An FSS involves only labor
- 7-25. What is the chief difference between quality assurance (QA) and quality control (QC)?
1. QA deals with the procedures, not the end results
 2. QA deals with the end results, not the procedures
 3. QA is not used on civilian contractors; QC is used instead
 4. QA deals only with the production process

- 7-26. What is the first criterion that must be met to ensure that a Quality Assurance Program is effective?
1. Write a performance work statement that provides a measurable method of determining the quality and quantity of contracted work
 2. Provide an inspection schedule to the contractor
 3. Negotiate any contradictions that may arise pertaining to the Davis-Bacon Act
 4. Determine all nonperformance or unsatisfactory performance before the contract starts
- 7-27. The amount of surveillance on a contract is based on which of the following factors?
1. Importance of the contract
 2. Location of the contract
 3. Cost of the contract
 4. The contractor's previous work
- 7-28. What document gives the FSCM for unsatisfactory performance by the contractor?
1. QA plan
 2. Performance work statement
 3. Letter of appointment
 4. Memorandum of record
- 7-29. When, if ever, should the QAE be concerned with contractor procedures?
1. At all times
 2. When the QAE is dissatisfied with the contractor's performance
 3. When specified by the contract
 4. Never
- 7-30. The Navy currently uses how many methods of surveillance for inspections?
1. Five
 2. Nine
 3. Three
 4. Four
- 7-31. A 100-percent inspection will best measure a contractor's performance. Which of the following drawbacks are identified with this type of inspection?
1. Does not work well with a large contract
 2. Time-consuming
 3. Expensive
 4. Each of the above
- 7-32. The random sampling method works best for which of the following types of work?
1. Grounds maintenance
 2. Dredging operations
 3. Aircraft systems repair
 4. Major military construction projects
- 7-33. Planned sampling works well in which of the following areas?
1. Inspection requirements are all equally important
 2. Locations are all equally important
 3. Contractor performance is weak in one performance area
 4. Customer complaints are high
- 7-34. The incidental method should not be used as one of the primary means of surveillance.
1. True
 2. False
- 7-35. Customer complaints should be forwarded to the QAE in what type of format?
1. On a memorandum of record
 2. On a customer complaint record
 3. On a contract discrepancy record
 4. Any format is acceptable as there is no standard requirement
- 7-36. What key method is used to prevent poor contractor performance?
1. Proper documentation of surveillance
 2. Accurate performance work statements
 3. Good government surveillance
 4. Historical record of the contractor's performance
- 7-37. To properly perform the job, the QAE must have which of the following information?
1. QAE schedule and contract requirements
 2. Contractor schedule and QA plan
 3. QA plan and QAE schedule
 4. Contract requirements and contractor schedule

- 7-38. Normally, you should analyze surveillance results at what minimum recommended interval?
1. Monthly
 2. Weekly
 3. Quarterly
 4. Semiannually
- 7-39. If the contractor's performance is determined to be below standards, which of the following actions should NOT be taken?
1. Renegotiate the contract
 2. Issue a show cause
 3. Issue a contract discrepancy report
 4. Terminate the contractor by default
- 7-40. To optimize time and provide proper management control, the QAE should take which of the following actions?
1. Establish a good rapport with the contractor to ensure speedy replies on feedback reports
 2. Develop a balanced inspection schedule
 3. Develop a reputation for hard-nose compliance of contract
 4. Establish reliable transportation schedules between jobs
- 7-41. Scheduled surveillance should be performed at what time of day?
1. Only during your normal working hours
 2. At any time that the contractor is working
 3. At the end of a contractor's workday
 4. Whenever you can get to the job
- 7-42. Which of the following individuals should be denied access to your schedule?
1. The OIC
 2. The FSCM
 3. The EFD inspector
 4. The contractor
- 7-43. Upon completion of the contract, the QAE takes what action with the files?
1. Forwards them to the contractor
 2. Destroys them
 3. Includes them in the contract file
 4. Maintains them for a period of time specified by the contract
- 7-44. When the contractor's performance is found to be satisfactory, the QAE might make which, if any, of the following recommendations?
1. Reduce surveillance
 2. Pay the contractor a bonus
 3. Issue an LOA to the contractor
 4. None
- 7-45. If the government or one of its agencies has caused a contractor to perform unsatisfactorily, which of the following actions should the QAE initiate?
1. Renegotiate the contract
 2. prepare a letter requesting the responsible agency take
 3. Prepare a letter to the contractor identifying the government's responsibility
 4. Begin preparation of a Contract Discrepancy Report
- 7-46. When should a Contract Discrepancy Report (CDR) be issued?
1. Immediately for a serious failure
 2. At the end of the surveillance period
 3. Both 1 and 2 above
 4. Only at the discretion of the OIC
- 7-47. Deductions for discrepancies are required by what authority?
1. The contract
 2. The ROIC
 3. NAVSUP
 4. NAVFAC
- 7-48. Upon receiving a CDR, which of the following actions must a contractor take?
1. Identify, in writing, the preventive steps taken to prevent future occurrences of the same problem
 2. Call the QAE acknowledging receipt of the CDR
 3. Inform the ROIC, by telephone, of the corrective actions to be taken
 4. Correct all discrepancies immediately
- 7-49. When formal action is required on discrepancies, which of the following personnel decides what action is to be taken?
1. The QAE
 2. The FSCM
 3. The ROIC
 4. Each of the above

7-50. The QAE must identify not only contractor discrepancies, but what other items?

1. Contractor personnel skills
2. Problem areas that caused the discrepancies
3. Material delivered to the contractor
4. Change orders under consideration

ASSIGNMENT 8

Textbook Assignment: "Facilities Maintenance Management," chapter 9, pages 9-1 through 9-21.

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| <p>8-1. The level of maintenance for each facility is based on which of the following factors?</p> <ol style="list-style-type: none"> 1. The number of occupants and utility cost 2. The mission of the activity and the projected life span of the facility 3. The rehab cost versus replacement cost 4. The facility budget <p>8-2. What is the purpose of the maintenance management system?</p> <ol style="list-style-type: none"> 1. To manage personnel properly 2. To provide information for the next fiscal year budget 3. To ensure optimum use of available resources 4. To analyze all PW operations <p>8-3. An effective maintenance management system ensures activities meet which of the following goals?</p> <ol style="list-style-type: none"> 1. Performing maintenance by breakdown 2. Streamline maintenance by increasing documentation 3. Corrective maintenance 4. Each of the above <p>8-4. What is the primary benefit of the maintenance management system?</p> <ol style="list-style-type: none"> 1. Increased productivity of the work force 2. Standardized written procedures 3. A maintenance operations manual 4. Maintenance cost reduction <p>8-5. Complete control for maintenance management exists when which of the following conditions are met?</p> <ol style="list-style-type: none"> 1. PW establishes their own procedures 2. PW uses the MO-321 for guidance 3. PW modifies procedures in the MO-321 4. PW follows all procedures and methods in the MO-321 <p>8-6. Which of the following system elements determines the job priority?</p> <ol style="list-style-type: none"> 1. Work generation 2. Work input control 3. planning and estimating 4. Shop scheduling | <p>8-7. Which of the following system elements should use the MO-322?</p> <ol style="list-style-type: none"> 1. Work generation 2. Work input control 3. Shop scheduling 4. Management reporting <p>8-8. As a CPO assigned to a remote activity, you might be performing which of the following duties?</p> <ol style="list-style-type: none"> 1. Security Officer 2. APWO 3. Transportation dispatcher 4. PWO <p>8-9. Who is responsible for managing and supervising Public Works?</p> <ol style="list-style-type: none"> 1. The supply officer 2. The APWO 3. The CO 4. The PWO <p>8-10. The family housing office is responsible for housing management. The housing office has what other, if any, responsibility?</p> <ol style="list-style-type: none"> 1. Housing maintenance 2. Financial management 3. Housing referral 4. None <p>8-11. Energy management normally operates out of what branch?</p> <ol style="list-style-type: none"> 1. Facilities 2. Housing 3. Facilities management 4. Engineering <p>8-12. What division or branch in a PWD is responsible for performing control inspections?</p> <ol style="list-style-type: none"> 1. Facilities management engineering division 2. Shops division 3. Housing division 4. Maintenance and utilities branch <p>8-13. The maintenance and utilities branch is responsible for which of the following-inspections?</p> <ol style="list-style-type: none"> 1. Operator only 2. Preventive maintenance only 3. Operator and preventive maintenance 4. Continuous and operator |
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- 8-14. The PWD that you are assigned to has 45 personnel assigned. The maintenance branch should then be combined with the utilities branch for better management.
1. True
 2. False
- 8-15. Maintenance work can be generated by which of the following methods?
1. Customer requests
 2. Command inspections
 3. Continuous inspections
 4. Each of the above
- 8-16. What is the most accurate method to verify a facilities inventory?
1. Physically survey all facilities
 2. Use plant account records
 3. Consult the as-built drawings
 4. Perform continuous inspections
- 8-17. What is the basis for developing a preventive maintenance program?
1. The inventory
 2. The Shore Facilities Inspection System
 3. The requests from the customer
 4. Facility history files
- 8-18. The three major parts of the continuous inspection system are operator inspections, preventive maintenance inspections, and control inspections.
1. True
 2. False
- 8-19. Maintenance work that can be completed in 14 hours should be classified in what category?
1. Specific job order
 2. Service work
 3. Standing job order
 4. Preventive inspection
- 8-20. Preventive maintenance inspections (PMIs) are concerned with which of the following problem areas?
1. Interference with an essential mission
 2. Danger to life or property
 3. High cost or long-lead time for replacement
 4. Each of the above
- 8-21. PMIs should be performed by which of the following personnel?
1. PMI inspectors
 2. Shop personnel
 3. Operators
 4. Maintenance supervisors
- 8-22. Control inspections are used to achieve which of the following goals?
1. Provide inspections of facilities only covered by operator inspections
 2. Ensure operator and preventive maintenance inspections are sufficient
 3. Ensure high breakdown maintenance levels are maintained
 4. Each of the above
- 8-23. Guidance for performance of the Shore Facility Inspection System is found in which of the following publications?
1. NAVFAC MO-321 only
 2. NAVFAC MO-322 only
 3. Both NAVFAC MO-321 and MO-322
 4. NAVFAC 11014/38
- 8-24. For the inspection system to work properly, you must maintain which of the following factors?
1. A current facility inventory
 2. A man-hour log on facility inspections
 3. Maintenance records
 4. A firm inspection schedule
- 8-25. The initial classification of work is performed by what code?
1. Work reception desk
 2. Inspection branch
 3. FME director
 4. Shop supervisor
- 8-26. Work classified as emergency/ service work should not exceed how many hours before being reclassified?
1. 8
 2. 2
 3. 16
 4. 40

- 8-27. What purpose is served by reviewing completed service calls?
1. Check shop performance
 2. Review job travel times
 3. Identify personnel training needs
 4. Identify possible facility problem areas
- 8-28. A job may be classified as minor work due to size. However, the requirement exists for full-job accounting. What classification for the job should you use?
1. Minor work
 2. Standing job order
 3. Service work
 4. Specific job order
- 8-29. If a job will exceed 80 man-hours and is not repetitive in nature, what classification for the job should you use?
1. Minor work
 2. Standing job order
 3. Specific job order
 4. Service work
- 8-30. Estimated standing job orders have which of the following characteristics?
1. Issued annually
 2. A specified frequency
 3. Used for specialized service work
 4. Used for fiscal accounting only
- 8-31. Standing job orders should be used for repetitive work, such as replacing light bulbs or broken windows.
1. True
 2. False
- 8-32. Refer to table 9-2 in your text. A code of 4 on the priority matrix indicates what work classification priority?
1. Routine - preventive
 2. High - functional
 3. Routine - functional
 4. High - preventive
- 8-33. Which of the following personnel have the authority to approve a priority 1 on the priority matrix?
1. CO
 2. Shops engineer
 3. FME director
 4. PWO
- 8-34. What is the primary purpose of issuing an activity job order number?
1. To distinguish between job orders for financial purposes
 2. To classify job priorities
 3. To assign the work to the proper work center
 4. To expedite the completion of work
- 8-35. Which of the following labor codes is classified as overhead?
1. Service work
 2. Rework
 3. Emergency work
 4. PMI
- 8-36. Labor class codes are divided into what categories?
1. Productive and indirect
 2. Overhead and direct
 3. Productive and overhead
 4. Direct and indirect
- 8-37. What is the purpose of Engineering Performance Standards (EPS)?
1. To estimate the time needed to complete a task
 2. To provide evaluation guidelines for civil service employees
 3. To assist the engineering department in designing a project
 4. To blend the purpose and direction with engineering standards
- 8-38. What estimate should be used to provide approximate job cost to reimbursable customers?
1. Final
 2. Rough
 3. Scoping
 4. Detailed
- 8-39. The final estimate is prepared at what point in the P&E process?
1. Submission to the customer for funding
 2. Upon project approval
 3. When a scoping approval is not required
 4. 30 days before the material is to be ordered

- 8-40. Taking a job off the Job Requirements and Status Chart is justified by which of the following actions?
1. Canceled
 2. Completed by contract
 3. Job authorized for shop accomplishment
 4. Each of the above
- 8-41. What are the determining factors in formulating and adjusting the Manpower Availability Summary and the Work Plan Summary?
1. Funding and material
 2. Funding and man-hours
 3. Material and man-hours
 4. Material and equipment
- 8-42. The shop planner uses which of the following management tools to schedule jobs for the month?
1. Master Schedule
 2. Monthly Shop Load Plan
 3. Job Requirements and Status Chart
 4. Manpower Availability Summary and Work Plan Summary
- 8-43. In job-order programming, the short-range and long-range plans cover a total of how many months?
1. 6
 2. 9
 3. 3
 4. 12
- 8-44. What percentage is the suggested loading of the Shop Load Plan for (a) the second and (b) the third month?
1. (a) 100 (b) 75
 2. (a) 90 (b) 75
 3. (a) 90 (b) 80
 4. (a) 80 (b) 80
- 8-45. What schedule assigns work that is to be accomplished in the following week?
1. Work center schedule
 2. Master schedule
 3. Manpower schedule
 4. Shop schedule
- 8-46. On which of the following schedules should jobs be assigned on a day-to-day basis?
1. Work center schedule
 2. Master schedule
 3. Shop schedule
 4. Each of the above
- 8-47. The work center schedule should be prepared by what individual?
1. Shops engineer
 2. APWO
 3. PWO
 4. Shop supervisor
- 8-48. The Maintenance/Utilities Labor Control Report obtains information from which of the following reports?
1. Tabulated Report A
 2. Tabulated Report B
 3. Work center schedule
 4. Master schedule
- 8-49. Which of the following management reports provides actual man-hours expended for the month?
1. Tabulated Report A
 2. Tabulated Report B
 3. Maintenance/Utilities Labor Control Report
 4. Each of the above
- 8-50. Which of the following management reports compares actual and estimated man-hours by work center for each completed work order?
1. Tabulated Report A
 2. Tabulated Report B
 3. Maintenance/Utilities Labor Control Report
 4. Each of the above
- 8-51. The completed job order report alerts you to which of the following problems?
1. Poor supervision
 2. Poor estimating
 3. Low productivity
 4. Each of the above

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(Refer to instructions in front of course)

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YOU SHOULD RETAIN THE TRAINING MANUAL AND THE ASSIGNMENT BOOKLET IF THEY ARE NOT CLASSIFIED. If CLASSIFIED, submit them to your command for proper disposition of CLASSIFIED material. A letter of satisfactory completion will be issued to you after your last assignment is received and processed. Include this form when you send in the last assignment. If the training manual and NRTC courses are designated with distribution statements B, C, D, E, F, or X, and you decide to dispose of the material, you must destroy the material to prevent disclosure of contents or reconstruction of the document.

☐ **COURSE DISENROLLMENT**

In the event of disenrollment, submit this form to the address below with any unused ADP answer sheets. You need not return any other course material. If the course material is CLASSIFIED, you must submit the material to your command for proper disposition of CLASSIFIED material. If the training manual and NRTC courses are designated with distribution statements B, C, D, E, F, or X, and you decide to dispose of the material, you must destroy the material to prevent disclosure of contents or reconstruction of the document.

PRIVACY ACT STATEMENT

UNDER AUTHORITY OF TITLE 5, USC 301, INFORMATION REGARDING YOUR MILITARY STATUS IS REQUESTED TO ASSIST IN PROCESSING YOUR COMMENTS AND IN PREPARING A REPLY. THIS INFORMATION WILL NOT BE DIVULGED, WITHOUT WRITTEN AUTHORIZATION, TO ANYONE OTHER THAN THOSE WITHIN DOD FOR OFFICIAL USE IN DETERMINING PERFORMANCE.

COMMANDING OFFICER NETPMSA CODE 036 6490 SAUFLEY FIELD ROAD PENSACOLA FL 32559-5000
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STUDENT COMMENT SHEET

THIS FORM MAY BE USED TO SUGGEST IMPROVEMENTS, REPORT COURSE ERRORS, OR TO REQUEST HELP IF YOU HAVE DIFFICULTY COMPLETING THE COURSE.

Date _____

FROM: _____ SSN _____

NAME (Last, first, M.I.) _____

RANK, RATE, CIVILIAN _____

Telephone Numbers:
DSN: _____

Commercial: _____

STREET ADDRESS. APT # _____ FAX: _____

ZIP CODE _____

CITY, STATE _____

To: COMMANDING OFFICER
NETPMSA CODE 0314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237

Subj: NAVAL CONSTRUCTION FORCE/SEABEE 1 & C, NAVEDTRA 82543

1. The following comments are hereby submitted:

PRIVACY ACT STATEMENT

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DEPARTMENT OF THE NAVY

**COMMANDING OFFICER
NETPMSA CODE 0314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237**

OFFICIAL BUSINESS

**COMMANDING OFFICER
NETPMSA CODE 0314
6490 SAUFLEY FIELD RD
PENSACOLA FL 32509-5237**

PRINT OR TYPE

TITLE _____ NAVEDTRA _____

NAME _____ ADDRESS _____
Last First Middle Street/Ship/Unit/Division, etc.

City or FPO State Zip

RANK/RATE _____ SOC. SEC. NO. _____ DESIGNATOR _____ ASSIGNMENT NO. _____

☐ USN ☐ USNR ☐ ACTIVE ☐ INACTIVE OTHER (Specify) _____ DATE MAILED _____

SCORE

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